9 VAC 25-720-50. Potomac - Shenandoah River Basin.

A. Total maximum daily load (TMDLs).

		TMDL Title	City/	WBID	Pollutant	WLA	Units
#			County				
1.	Muddy Creek	Nitrate TMDL	Rockingham	B21R	Nitrate	49,389.00	LB/YR
		Development for Muddy					
		Creek/Dry River,					
		Virginia					
2.	Blacks Run	TMDL Development for	Rockingham	B25R	Sediment	32,844.00	LB/YR
		Blacks Run and Cooks					
		Creek					
3.	Cooks Creek	TMDL Development for	Rockingham	B25R	Sediment	69,301.00	LB/YR
		Blacks Run and Cooks					
		Creek					
4.	Cooks Creek	TMDL Development for	Rockingham	B25R	Phosphorus	0	LB/YR
		Blacks Run and Cooks					
		Creek					
5.	Muddy Creek	TMDL Development for	Rockingham	B22R	Sediment	286,939.00	LB/YR
		Muddy Creek and					
		Holmans Creek, Virginia					
6.	Muddy Creek	TMDL Development for	Rockingham	B22R	Phosphorus	38.00	LB/YR
		Muddy Creek and					
		Holmans Creek, Virginia					
7.	Holmans Creek	TMDL Development for	Rockingham/	B45R	Sediment	78,141.00	LB/YR
		Muddy Creek and	Shenandoah				
		Holmans Creek, Virginia					
8.	Mill Creek	TMDL Development for	Rockingham	B29R	Sediment	276.00	LB/YR
		Mill Creek and Pleasant					
		Run					

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9. Mill Creek					_			
Run 10. Pleasant Run TMDL Development for Mill Creek and Pleasant Run 11. Pleasant Run TMDL Development for Mill Creek and Pleasant Run 12. Linville Creek Total Maximum Load Development for Linville Creek: Bacteria and Benthic Impairments 13. Quali Run Benthic TMDL for Quali Rockingham Run 14. Quali Run Benthic TMDL for Quali Rockingham Run 15. Shenandoah River Development of Shenandoah River PCB TMDL (South Fork and Main Stern) 16. Shenandoah River Development of Shenandoah River Development of Shenandoah River PCB TMDL (North Fork) TMDL (North Fork) TMDL (North Fork) Development of Shenandoah River PCB TMDL (North Fork) TMDL (North Fork) Development of Shenandoah River PCB TMDL (North Fork) TMDL (North Fork) Development of Shenandoah River PCB TMDL (Main Stern)	9.	Mill Creek	TMDL Development for	Rockingham	B29R	Phosphorus	138.00	LB/YR
10. Pleasant Run TMDL Development for Mill Creek and Pleasant Run Mill Creek and Pleasant Run Mill Creek and Pleasant Run TMDL Development for Rockingham B27R Phosphorus 0.00 LB/YR Mill Creek and Pleasant Run Berthic Tmote Creek: Bacteria and Benthic Impairments B36R Ammonia 7,185.00 KG/YR Run B36R Ammonia 7,185.00 KG/YR B36R B36R Ammonia 7,185.00 KG/YR B36R B36R B36R Ammonia 7,185.00 KG/YR B36R B36R B36R B36R B36R B36R B36R B36			Mill Creek and Pleasant					
Mill Creek and Pleasant Run TMDL Development for Rockingham B27R Phosphorus O.00 LB/YR Mill Creek and Pleasant Run TMDL Greek and Pleasant Run Run 12. Linville Creek Total Maximum Load Development for Linville Creek Bacteria and Benthic Impairments Run 13. Quail Run Benthic TMDL for Quail Rockingham B35R Armonia 7,185.00 KG/YR Run 14. Quail Run Benthic TMDL for Quail Rockingham B35R Chlorine 27.63 KG/YR Run 15. Shenandoah River Development of Shenandoah River PCB TMDL (South Fork and Main Stern) Marren & Clarke B41R, B55R, B55R, B55R, B56R TMDL (South Fork and Main Stern) Marren & Clarke B61R PCBs TMDL (North Fork) 17. Shenandoah River Development of Shenandoah River PCB TMDL (North Fork) Marren & Clarke B61R PCBs TMDL (North Fork) Marren & Clarke WV PCBs TMDL (North Fork) TMDL (Main Stern) Benthic TMDL Reports Augusta B10R Organic Solids 1,556.00 LB/YR			Run					
11. Pleasant Run TMDL Development for Mill Creek and Pleasant Run Mill Creek and Pleasant Run Run Run Total Maximum Load Development for Linville Creek: Bacteria and Benthic Impairments Benthic Impairments Benthic Impairments Benthic Impairments Bash Ammonia 7,185.00 KG/YR Run Benthic TMDL for Quali Run Bash Chlorine 27.63 KG/YR Run Bash Chlorine 27.63 KG/YR Bash Chlo	10.	Pleasant Run	TMDL Development for	Rockingham	B27R	Sediment	0.00	LB/YR
11. Pleasant Run TMDL Development for Mill Creek and Pleasant Run Mill Creek and Pleasant Run Run Run Total Maximum Load Development for Linville Creek: Bacteria and Benthic Impairments Benthic Impairments Benthic Impairments Benthic Impairments Bash Ammonia 7,185.00 KG/YR Run Benthic TMDL for Quali Run Bash Chlorine 27.63 KG/YR Run Bash Chlorine 27.63 KG/YR Bash Chlo			Mill Creek and Pleasant					
11. Pleasant Run TMDL Development for Mill Creek and Pleasant Run Mill Creek and Pleasant Run Run Personal Run Run Total Maximum Load Development for Linville Creek: Bacteria and Benthic Impairments Bash Ammonia 7,185.00 KG/YR Run Benthic TMDL for Quail Run Bash Chlorine 27.63 KG/YR Run Bash Chlorine 27.63 KG/YR Bash Run Bash Chlorine 27.63 KG/YR Bash Run Bash Run Bash Run Bash Run PCB TMDL (South Fork and Main Stern) Bash Run Bash Run Bash Run Bash Run Bash Run Run Bash Run Run Bash Run								
Mill Creek and Pleasant Run 12. Linville Creek Total Maximum Load Development for Linville Creek: Bacteria and Benthic Impairments 13. Quail Run Benthic TMDL for Quail Run Benthic TMDL Reports Run Run Benthic TMDL Reports Run Run Benthic TMDL Reports Run Run Run Run Run Run Run Ru			T Call					
Mill Creek and Pleasant Run 12. Linville Creek Total Maximum Load Development for Linville Creek: Bacteria and Benthic Impairments 13. Quail Run Benthic TMDL for Quail Run Benthic TMDL Reports Run Run Benthic TMDL Reports Run Run Benthic TMDL Reports Run Run Run Run Run Run Run Ru	44	Discourt Duri	TMDI Davidana antifan	De alde als and	DOZD	Dhasahama	0.00	LDAAD
12. Linville Creek Total Maximum Load Development for Linville Creek: Bacteria and Benthic Impairments 13. Quail Run Benthic TMDL for Quail Rockingham B35R Ammonia 7,185.00 KG/YR Run 14. Quail Run Benthic TMDL for Quail Rockingham B35R Chlorine 27.63 KG/YR Run 15. Shenandoah River Development of Shenandoah River PCB TMDL (South Fork and Main Stern) 16. Shenandoah River Development of Shenandoah River PCB TMDL (North Fork) 17. Shenandoah River Development of Shenandoah River PCB TMDL (North Fork) 18. Cockran Spring Benthic TMDL Reports Augusta B10R Organic Solids 1,556.00 LB/YR	11.	Pleasant Run			B2/R	Pnospnorus	0.00	LB/YR
12. Linville Creek Total Maximum Load Development for Linville Creek: Bacteria and Benthic Impairments 13. Quail Run Benthic TMDL for Quail Rockingham Run 14. Quail Run Benthic TMDL for Quail Rockingham B35R Ammonia 7,185.00 KG/YR Run 15. Shenandoah River Development of Shenandoah River PCB TMDL (South Fork and Main Stern) 16. Shenandoah River Development of Shenandoah River PCB TMDL (North Fork) 17. Shenandoah River Development of Shenandoah River PCB TMDL (Main Stern) 18. Cockran Spring Benthic TMDL Reports Augusta B10R Organic Solids 1,556.00 LB/YR			Mill Creek and Pleasant					
Development for Linville Creek: Bacteria and Benthic Impairments 13. Quail Run Benthic TMDL for Quail Run Benthic TMDL Reports Best Run Chlorine C			Run					
Creek: Bacteria and Benthic Impairments 13. Quail Run Benthic TMDL for Quail Rockingham B35R Ammonia 7,185.00 KG/YR Run 14. Quail Run Benthic TMDL for Quail Rockingham B35R Chlorine 27.63 KG/YR Run 15. Shenandoah River Development of Shenandoah River PCB TMDL (South Fork and Main Stem) 16. Shenandoah River Development of Shenandoah River PCB TMDL (North Fork) 17. Shenandoah River Development of Shenandoah River PCB TMDL (Main Stem) 18. Cockran Spring Benthic TMDL Reports Augusta B10R Organic Solids 1,556.00 LB/YR	12.	Linville Creek	Total Maximum Load	Rockingham	B46R	Sediment	5.50	TONS/YR
Benthic Impairments Benthic Impairments Benthic Impairments			Development for Linville					
13. Quail Run Benthic TMDL for Quail Rockingham B35R Chlorine 27.63 KG/YR Run 14. Quail Run Benthic TMDL for Quail Rockingham B35R Chlorine 27.63 KG/YR Run 15. Shenandoah River Development of Shenandoah River PCB TMDL (South Fork and Main Stem) Warren & Clarke B41R, B55R, B57R, B57R, B58R 16. Shenandoah River Development of Shenandoah River PCB TMDL (North Fork) Warren & Clarke B51R PCBs 0.00 G/YR 17. Shenandoah River Development of Shenandoah River PCB TMDL (Main Stem) Warren & Clarke WV PCBs 179.38 G/YR 18. Cockran Spring Benthic TMDL Reports Augusta B10R Organic Solids 1,556.00 LB/YR			Creek: Bacteria and					
Run 14. Quail Run Benthic TMDL for Quail Run Best Run			Benthic Impairments					
Run 14. Quail Run Benthic TMDL for Quail Run Best								
Run 14. Quail Run Benthic TMDL for Quail Run Best	13.	Quail Run	Benthic TMDL for Quail	Rockingham	B35R	Ammonia	7.185.00	KG/YR
14. Quail Run Benthic TMDL for Quail Run Benthic TMDL for Quail Run Ba35R Chlorine 27.63 KG/YR 15. Shenandoah River Development of Shenandoah River PCB TMDL (South Fork and Main Stem) Warren & Clarke B55R, B55R, B58R 16. Shenandoah River Development of Shenandoah River PCB TMDL (North Fork) Warren & Clarke WV PCBs 179.38 G/YR 17. Shenandoah River Development of Shenandoah River PCB TMDL (Main Stem) Warren & Clarke WV PCBs 179.38 G/YR 18. Cockran Spring Benthic TMDL Reports Augusta B10R Organic Solids 1,556.00 LB/YR							,	
Run 15. Shenandoah River Development of Shenandoah River PCB TMDL (North Fork) 16. Shenandoah River Development of Shenandoah River PCB TMDL (North Fork) 17. Shenandoah River Development of Shenandoah River PCB TMDL (Main Stem) 18. Cockran Spring Benthic TMDL Reports Augusta Narren & Clarke B41R, PCBs 179.38 G/YR B55R, B55	11	Oveil Due		Do akin ah am	DOED	Chlorino	27.02	KC WD
15. Shenandoah River Development of Shenandoah River PCB TMDL (North Fork) 16. Shenandoah River Development of Shenandoah River PCB TMDL (North Fork) 17. Shenandoah River Development of Shenandoah River PCB TMDL (Main Stem) 18. Cockran Spring Benthic TMDL Reports Augusta Warren & Clarke B41R, B41R, B41R, B41R, B55R, B55R, B41R, B55R, B5	14.	Quali Run		Rockingnam	BJOK	Chiorine	27.03	KG/YK
Shenandoah River PCB TMDL (South Fork and Main Stem) 16. Shenandoah River Development of Shenandoah River PCB TMDL (North Fork) 17. Shenandoah River Development of Shenandoah River Shenandoah River Shenandoah River PCB TMDL (Main Stem) 18. Cockran Spring Benthic TMDL Reports Augusta B10R Organic Solids 1,556.00 LB/YR			Run					
Shenandoah River PCB TMDL (South Fork and Main Stem) 16. Shenandoah River Development of Shenandoah River PCB TMDL (North Fork) 17. Shenandoah River Development of Shenandoah River Shenandoah River Shenandoah River PCB TMDL (Main Stem) 18. Cockran Spring Benthic TMDL Reports Augusta B10R Organic Solids 1,556.00 LB/YR	15.	Shenandoah River	Development of	Warren & Clarke	B41R.	PCBs	179.38	G/YR
TMDL (South Fork and Main Stem) 16. Shenandoah River Development of Shenandoah River PCB TMDL (North Fork) 17. Shenandoah River Development of Shenandoah River PCB TMDL (Main Stem) 18. Cockran Spring Benthic TMDL Reports Augusta B57R, B58R B57R, B58R Cockran Spring Benthic TMDL Reports Augusta B51R PCBs 0.00 G/YR PCBs 179.38 G/YR B10R Organic Solids 1,556.00 LB/YR	10.	Chonanacamino		Trairon a ciamo		. 525	170.00	3,111
Main Stem) 16. Shenandoah River Development of Shenandoah River PCB TMDL (North Fork) 17. Shenandoah River Development of Shenandoah River PCB TMDL (Main Stem) 18. Cockran Spring Main Stem) B58R B51R PCBs 0.00 G/YR Warren & Clarke WV PCBs 179.38 G/YR Augusta B10R Organic Solids 1,556.00 LB/YR								
16. Shenandoah River Development of Shenandoah River PCB TMDL (North Fork) 17. Shenandoah River Development of Shenandoah River PCB TMDL (Main Stem) 18. Cockran Spring Benthic TMDL Reports Augusta Warren & Clarke B51R PCBs 0.00 G/YR Warren & Clarke WV PCBs 179.38 G/YR B10R Organic Solids 1,556.00 LB/YR								
Shenandoah River PCB TMDL (North Fork) 17. Shenandoah River Development of Shenandoah River PCB TMDL (Main Stem) 18. Cockran Spring Shenandoah River PCB Augusta B10R Organic Solids 1,556.00 LB/YR			Main Stem)		B58R			
TMDL (North Fork) 17. Shenandoah River Development of Shenandoah River PCB TMDL (Main Stem) 18. Cockran Spring Benthic TMDL Reports Augusta B10R Organic Solids 1,556.00 LB/YR	16.	Shenandoah River	Development of	Warren & Clarke	B51R	PCBs	0.00	G/YR
17. Shenandoah River Development of Shenandoah River PCB TMDL (Main Stem) 18. Cockran Spring Benthic TMDL Reports Augusta B10R Organic Solids 1,556.00 LB/YR			Shenandoah River PCB					
Shenandoah River PCB TMDL (Main Stem) 18. Cockran Spring Benthic TMDL Reports Augusta B10R Organic Solids 1,556.00 LB/YR			TMDL (North Fork)					
TMDL (Main Stem) 18. Cockran Spring Benthic TMDL Reports Augusta B10R Organic Solids 1,556.00 LB/YR	17.	Shenandoah River	Development of	Warren & Clarke	WV	PCBs	179.38	G/YR
18. Cockran Spring Benthic TMDL Reports Augusta B10R Organic Solids 1,556.00 LB/YR			Shenandoah River PCB					
18. Cockran Spring Benthic TMDL Reports Augusta B10R Organic Solids 1,556.00 LB/YR			TMDL (Main Stem)					
	18	Cockran Spring		Augusta	B10R	Organic Solids	1 556 00	I R/YR
Ioi Six impalied Stream	10.	Social Opining		, agada	51010	Jigariio Oolias	1,000.00	25,113
			lor Six impaired Stream					

		Segments in the				1	
		Potomac-Shenandoah					
		and James River Basins					
19.	Lacey Spring	Benthic TMDL Reports	Rockingham	B47R	Organic Solids	680.00	LB/YR
		for Six Impaired Stream					
		Segments in the					
		Potomac-Shenandoah					
		and James River Basins					
20.	Orndorff Spring	Benthic TMDL Reports	Shenandoah	B52R	Organic Solids	103.00	LB/YR
		for Six Impaired Stream					
		Segments in the					
		Potomac-Shenandoah					
		and James River Basins					
21.	Toms Brook	Benthic TMDL for Toms	Shenandoah	B50R	Sediment	8.1	T/YR
		Brook in Shenandoah					
		County, Virginia					
22.	Goose Creek	Benthic TMDLs for the	Loudoun,	A08R	Sediment	1,587	T/YR
		Goose Creek	Fauquier				
		Watershed					
23.	Little River	Benthic TMDLs for the	Loudoun	A08R	Sediment	105	T/YR
		Goose Creek					
		Watershed					
<u>24.</u>	Christians Creek	Fecal Bacteria and	<u>Augusta</u>	B14R	Sediment	<u>145</u>	<u>T/YR</u>
		General Standard Total					
		Maximum Daily Load					
		Development for					
		Impaired Streams in the					
		Middle River and Upper					
		South River					
		Watersheds, Augusta					
		County, VA					
		<u> </u>					

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<u>25.</u>	Moffett Creek	Fecal Bacteria and	<u>Augusta</u>	<u>B13R</u>	<u>Sediment</u>	<u>0</u>	<u>T/YR</u>
		General Standard Total					
		Maximum Daily Load					
		Development for					
		Impaired Streams in the					
		Middle River and Upper					
		South River					
		Watersheds, Augusta					
		County, VA					
<u>26.</u>	Upper Middle River	Fecal Bacteria and	<u>Augusta</u>	<u>B10R</u>	Sediment	<u>1.355</u>	<u>T/YR</u>
		General Standard Total					
		Maximum Daily Load					
		Development for					
		Impaired Streams in the					
		Middle River and Upper					
		South River					
		Watersheds, Augusta					
		County, VA					
<u>27.</u>	Mossy Creek	Total Maxiumum Daily	Rockingham	<u>B19R</u>	Sediment	0.04	<u>T/YR</u>
		Load Development for					
		Mossy Creek and Long					
		Glade Run: Bacteria					
		and General Standard					
		(Benthic) Impairments					
<u>28.</u>	Smith Creek	Total Maxiumum Daily	Rockingham,	<u>B47R</u>	Sediment	353,867	LB/YR
		Load (TMDL)	Shenandoah				
		Development for Smith					
		<u>Creek</u>					

B. Stream segment classifications, effluent limitations including water quality based effluent limitations, and waste

load allocations.

TABLE B1 - POTOMAC RIVER SUB-BASIN RECOMMENDED SEGMENT CLASSIFICATIONS

SEGMENT			
NUMBER	DESCRIPTION OF SEGMENT	MILE TO MILE	CLASSIFICATION
1-23	Potomac River tributaries from the Virginia-West Virginia state line downstream to the	176.2 – 149.0	WQ
	boundary of the Dulles Area Watershed Policy		
1-24	Potomac River tributaries located within the boundaries of the Dulles Area Watershed	149.0 – 118.4	WQ
	Policy		
1-25	Potomac River tributaries from the downstream limit of the Dulles Area Watershed Policy	118.4 – 107.6	WQ
	to Jones Point		
1-26	Potomac River tributaries from Jones Point downstream to Route 301 bridge	107.6 – 50.2	WQ
1-27	All Streams included in the Occoquan Watershed Policy		WQ
1-28	Potomac tributaries from Route 301 bridge downstream to the mouth of the Potomac River	50.2-0.0	EL

TABLE B2 - POTOMAC RIVER SUB-BASIN - RECOMMENDED PLAN FOR WASTEWATER FACILITIES

FACILITY		RECEIVING	RECOMMENDED		TREATMENT					INSTITUTIONAL
NUMBER	NAME	STREAM	ACTION	SIZE	LEVEL (4)	BOD₅	OUD	TKN	Р	ARRANGEMENT
1	Hillsboro	North Fork	Construct new	.043(2)	AWT	7 ⁽⁷⁾	-	-	-	Loudoun County
		Catoctin Creek	facility							Sanitation Authority
		WQ (1 –23)								(LCSA)
2	Middleburg	Wancopin	Construct new	.135	AST	14 ⁽⁵⁾	-	-	-	LCSA
		Creek WQ (1-	facility; abandon							
		23)	old facility							
3	Middleburg	Unnamed	Abandon- pump							
	East and	tributary to	to new facility							
	West	Goose Creek								
		WQ (1 –23)								
4	Round Hill	North Fork	No further action	.2	AWT	10(5)	-	-	-	Town of Round Hill
		Goose Creek	recommended							

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	10:1-:	I D	I Comptend	1 000	A C.T.	00(5)	1	1	ı	LLOOA
5	St. Louis	Beaver Dam	Construct new	.086	AST	20 ⁽⁵⁾	-	-	-	LSCA
		Creek WQ (1-	facility							
		23)								
6	Waterford	South Fork	No further action	.058	AST	24 ⁽⁵⁾	-	-	-	LSCA
		Catoctin Creek	recommended							
		WQ (1-23)								
7	Ha milton	Unnamed	Upgrade and or	.605 ⁽²⁾	AWT	7 ⁽⁷⁾	_	_	_	Town of Hamilton
	T LOTTING!	tributary to	expand	.000	,,,,,	'				Town or rightmore
			Схрана							
		South Fork of								
		Catoctin Creek								
		WQ (1-23)								
8	Leesburg	Tuscarora	Upgrade and or	2.5	AWT	1 ⁽⁹⁾	-	1	0.1	Town of Leesburg
		Creek (1-24)	expand							
9	Lovettesville	Dutchman	Upgrade and or	.269(2)	AWT	7 ⁽⁷⁾	-	-	-	Town of
		Creek WQ (1-	expand							Lovetteville
		23)								
10	Purcellville	Unnamed	No further action	.5	AST	15 ⁽⁵⁾	-	-	-	Town of Purcellville
		tributary to	recommended							
		North Fork								
		Goose Creek								
		WQ (1-23)								
11	Paeonian	Unnamed	Construct new	.264 ⁽²⁾	AWT	7 ⁽⁷⁾	_	_		LCSA
				.204	AVVI	'	_			LOOA
	Springs	tributary to	facility							
		South Fork of								
		Catoctin Creek								
		WQ (1-23)								
12	Cedar Run	Walnut Branch	Construct new	1.16 ⁽²⁾	AWT	1 ⁽⁶⁾	-	1	0.1	Fauquier County
	Regional	or Kettle Run	facility							Sanitation Authority
		WQ (1-27)								
13	Vint Hill	South Run (1-	Upgrade and/or	.246	AST	14 ⁽⁵⁾	-	-	2.5	U.S. Army
	Farms	27)	expand							

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14	Arlington	Four Mile Run	Upgrade and/or	30 ⁽³⁾	AWT	3 ⁽⁸⁾	T -	<u> </u>	0.2	Arlington County
14	Annigion			30	AVVI		_	'	0.2	Anington County
		WQ (1-25)	expand							
15	Alexandria	Hunting Creek	Upgrade and/or	54	AWT	3 ⁽⁸⁾	-	1	.02	Alexandria
		WQ (1-26)	expand							Sanitation Authority
16	Westgate	Potomac River	Abandon- pump							
		WQ (1-26)	to Alexandria							
17	Lower	Pohick Creek	Upgrade and/or	36(3)	AWT	3/8	-	1	0.2	Fairfax County
	Potomac	WQ (1-26)	expand							
18	Little Hunting	Little Hunting	Abandon- pump							
	Creek	Creek WQ (1-	to Lower Potomac							
		26)								
19	Doque	Doque Creek	Abandon- pump							
	Creek	WQ (1-26)	to Lower Potomac							
20	Fort Belvoir	Doque Creek	Abandon- pump							
	1 and 2	WQ (1-26)	to Lower Potomac							
21	Lorton	Mills Branch	Upgrade and/or	1.0	AWT	3 ⁽¹¹⁾	-	1	0.1	District of Columbia
		WQ (1-26)	expand							
22	UOSA	Tributary to	Expanded	10.9 ⁽³⁾	AWT	1 ⁽⁶⁾	-	1	0.1	USOA
		Bull Run WQ	capacity by 5 mgd							
		(1-27)	increments							
23	Gainesville	Tributary Rock	Abandon Pump to							
	Haymarket	Branch WQ (1-	UOSA							
	Tiaymarket	,	003A							
		27)								
24	Potomac	Neabsco Creek	Construct new	12 ⁽³⁾	AWT	3 ⁽⁸⁾	-	1	0.2	Occoquan-
	(Mooney)	WQ (1-26)	facility							Woodbridge
										Dumfries-Triangle
										Sanitary District
25	Belmont	Marumsco	Abandon- pump							
		Creek WQ (1-	to Potomac							
		26)								
		-,								

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26	Featherston	Farm Creek	Abandon- pump			1				
			to Potomac							
	е	WQ (1-26)								
27	Neabsco	Neabsco Creek	Abandon- pump							
		WQ (1-26)	to Potomac							
28	Dumfries	Quantico Creek	Abandon- pump							
		WQ (1-26)	to Potomac							
29	Dale City #1	Neabsco Creek	Upgrade and /or	4.0	AWT	3 ⁽⁸⁾	-	1	0.2	Dale Service
		WQ (1-26)	expand							Corporation (DSC)
30	Dale City #8	Neabsco Creek	Upgrade and /or	2.0	AWT	3 ⁽⁸⁾	1	1	0.2	DSC
		WQ (1-26)	expand							
31	Quantico	Potomac River	Upgrade and /or	2.0	AWT	3 ⁽⁸⁾	-	1	0.2	U.S. Marine Corps
	Mainside	WQ (1-26)	expand							
32	Aquia Creek	Austin Run WQ	Construct new	3.0	AWT	3(8)	-	1	0.2	Aquia Sanitary
		(1-26)	facility							District
33	Aquia	Aquia Creek	Abandon- pump							
		WQ (1-26)	to new facility							
34	Fairview	Potomac River	Construct new	.05	Secondary	Secondar	-	-	-	Fairview Beach
	Beach	(estuary)	facility			у				Sanitary District
35	Dahlgren	Upper	Upgrade and/or	.2	Secondary	Secondar	-	-	-	Dahlgren Sanitary
		Machodoc	expand			у				District
		Creek WQ (1-								
		28)								
36	Colonial	Monroe Creek	No further action	.85	Secondary	28 ^{(5) (13)}				Town of Colonial
	Beach	EL (1-28)	recommended		,					Beach
0.7		LL (1 20)		00	0	40(10) (13)				
37	Machodoc		Construct new	.89	Secondary &	48 ⁽¹⁰⁾ (13)	-	-	-	Machodoc Kinsale
	Kinsale		facility		Spray					Sanitary District
					Irrigation					
38	Callao		Construct new	.25	Secondary &	48(10) (13)	-	-	-	Callao Sanitary
			facility		Spray					District
					Irrigation					
						<u> </u>		<u> </u>		

39	Heathsville		Construct new	.10	Secondary &	48 ^{(10) (13)}	-	-	-	Heathsville
			facility		Spray					Sanitary District
					Irrigation					
40	King George	Pine Creek	Construct new	.039	Secondary	30 ⁽¹³⁾	-	-	-	King George
	Courthouse		facility							County

TABLE B2 - NOTES: POTOMAC RIVER SUB-BASIN - RECOMMENDED PLAN FOR WASTEWATER TREATMENT

FACILITIES

- (1) Year 2000 design flow 201 Facility Plan, P.L. 92-500, unless otherwise noted.
- (2) Year 2000 average flow from Potomac/Shenandoah 303(e) Plans, Vol V-A Appendix, 1975 pp. B-33-B-44.
- (3) Future expansion at unspecified date.
- (4) Secondary treatment: 24-30 mg/l BOD₅, advanced secondary treatment (AST): 11-23 mg/l, advanced wastewater treatment (AWT): <10mg/l BOD₅. A range is given to recognize that various waste treatment.processes have different treatment efficiencies.
- (5) Effluent limits calculated using mathematical modeling.
- (6) Effluent limits based on Occoquan Watershed Policy, presented under reevaluation.
- (7) Effluent limits based on treatment levels established by the Potomac/Shenandoah 303(e) Plan, Vol. V-A 1975, p. 237, to protect low flow streams and downstream water supply.
- (8) Effluent limits based on Potomac River Embayment Standards, presently under reevaluation. Nitrogen removal limits deferred until reevaluation is complete.
- (9) Effluent limits based on Dulles Watershed Policy, recommended for reevaluation. Interim effluent limits of 12 mg/l BOD₅ and 20 mg/l Suspended Solids will be met until the Dulles Area Watershed Standards are reevaluated.
- (10) Effluent limits based on Virginia Sewerage Regulation, Section 33.02.01.
- (11) Interim effluent limits of 30 mg/l BOD₅, 30mg/l Suspended Solids, and 4 mg/l Phosphorus, will be effective until average daily flows exceeds 0.75 MGD. At greater flows than 0.75 MGD, the effluent limitations will be defined by the Potomac Embayment Standards.
- (12) Secondary treatment is permitted for this facility due to the the extended outfall into the main stem of the Potomac River.
- (13) This facility was also included in the Rappahannock Area Development Commission (RADCO) 208 Areawide Waste Treatment Management Plan and Potomac-Shenandoah River Basin 303 (e) Water Quality Management

Plan.

TABLE B3 - SHENANDOAH RIVER SUB-BASIN RECOMMENDED SEGMENT CLASSIFICATIONS

SEGMENT			
NUMBER	DESCRIPTION OF SEGMENT	MILE TO MILE	CLASSIFICATION
1-1	North River-main stream and tributaries excluding segments 1-1a, 1-1b	56.4-0.0	EL
1-1a	Muddy Creek-main stream and War Branch, RM 0.1-0.0	3.7 - 1.7	WQ
1-1b	North River-main stream	16.1 - 4.6	WQ
1-2	Middle River-main stream and tributaries excluding segments 1-2a, 1-2b	69.9 - 0.0	EL
1-2a	Middle River-main stream	29.5 - 17.9	WQ
1-2b	Lewis Creek-main stream	9.6 - 0.0	WQ
1-3	South River-main stream and tributaries excluding segment 1-3a	52.2 - 0.0	EL
1-4	South Fork Shenandoah-main stream and tributaries excluding segments 1-4a, 1-4b, 1-4c	102.9 - 0.0	EL
1-4a	South Fork Shenandoah-main stream	88.1 - 78.2	WQ
l-4b	Hawksbill Creek-main stream	6.20 - 0.0	WQ
1-4c	Quail Run-main stream	5.2 - 3.2	WQ
1-5	North Fork Shenandoah- main stream and tributaries excluding segment 1-5a, 1-5h	108.9 – 0.0	EL
1-5a	Stony Creek-main stream	19.9 - 14.9	WQ
1-5b	North Fork Shenandoah-main stream	89.0 - 81.4	WQ
1-6	Shenandoah River-main stream and tributaries excluding segments 1-6a, 1-6b	57.4 - 19.8	EL
1- 6a	Stephens Run-main stream	8.3 - 0.0	WQ
1-6b	Dog Run-main stream	5.2 - 0.0	WQ
1-7	Opequon Creek-main stream and tributaries excluding segments 1-7a, 1-7b	54.9 - 23.6	EL
l-7a	Opequon Creek-main stream	32.3 - 23.6	WQ
1-7b	Abrams Creek-main stream	8.7 - 0.0	WQ
1-8	All Virginia streams upstream of Opequon-Potomac confluence that have headwaters in Frederick County		EL
1-9	All Virginia streams upstream of Opequon-Potomac confluence that have headwaters in Highland County		EL .

^{*} R.M. = River Mile, measured from the river mouth

TABLE B4 - SHENANDOAH RIVER SUB-BASIN - RECOMMENDED PLAN FOR SELECTED INDUSTRIAL WASTEWATER TREATMENT FACILITIES

				REG	COMMEND	ED	
FACILITY NUMBER	NAME ⁽¹⁾	INDUSTRIAL CATEGORY	RECEIVING STREAM CLASSIFICATION	WASTELO	DAD ALLO	CATION ⁽²⁾	SCHEDULE
NOWIDER			OLAGOII IOATION	BOD ₅	TKN	NH ₃ -N	OOTILDOLL
1	Wampler	Food Processing	War Branch WQ (1-1a)	84 ⁽³⁾	-	-	None
6	Wayn-Tex	Plastic and Synthetic Materials Mfg.*	South River WQ (I-3a)	44 ⁽⁵⁾	-	-	None
7	DuPont	Plastic and Synthetic Materials Mfg.*	South River WQ (I-3a)	600	-	50	None
8	Crompton- Shenandoah	Textile Mills*	South River WQ (1-3a)	60	173 ⁽⁴⁾	88	None
10	General Electric	Electroplating*	South River WQ (1-3a)	BPT	Effluent Li	mits	None
12	Merck	Miscellaneous Chemicals (Pharmaceutical)*	S. F. Shenandoah River WQ (1-4a)	3454	2846	1423	Consent Order
17	VOTAN	Leather, Tanning and Finishing*	Hawksbill Creek WQ (I-4b)	240	75	-	None
21	National Fruit	Food Processing	N. F. Shenandoah River WQ (1-5b)	(6)	(6)	(6)	None
22	Rockingham Poultry	Food Processing	N. F. Shenandoah River WQ (1-5b)	(6)	(6)	(6)	None
23	Shen-Valley Meat Packers	Food Processing	N. F. Shenandoah River WQ (1-5b)	(6)	(6)	(6)	None
35	O'Sullivan	Rubber Processing* Machinery and Mechanical Products Manufacturing	Abrams Creek WQ (I-7b)		Effluent Li		None

TABLE B4 - NOTES: SHENANDOAH RIVER SUB-BASIN - RECOMMENDED PLAN SELECTED INDUSTRIAL

WASTEWATER TREATMENT FACILITIES

⁽¹⁾ An * identifies those industrial categories that are included in EPA's primary industry classification for which potential priority toxic pollutants have been identified.

⁽²⁾ Allocation (lb/d) based upon 7Q10 stream flow. Tiered permits may allow greater wasteloads during times of higher

flow. BPT = Best Practicable Technology.

- (3) A summer 1979 stream survey has demonstrated instream D.O. violations. Therefore, the identified wasteload allocation is to be considered as interim and shall be subject to further analysis.
- (4) The NPDES permit does not specify TKN but does specify organic-N of 85 lb/d. TKN is the sum of NH -N and organic -N.
- (5) This allocation is based upon a flow of 0.847 MGD.
- (6) The total assimilative capacity for segment WQ (1-5b) will be developed from an intensive stream survey program and development of an appropriate calibrated and verified model. Wasteload allocations for National Fruit, Rockingham Poultry and Shen-Valley will be determined after the development of the calibrated and verified model and the determination of the segment's assimilative capacity.

TABLE B5 - SHENANDOAH RIVER SUB-BASIN - RECOMMENDED PLAN FOR SELECTED MUNICIPAL WASTEWATER TREATMENT FACILITIES

FACILITY		RECOMMENDED	F	ACILITY		WASTELOAD	INSTITUTIONAL	COMPLIANCE ⁽
NUMBER	NAME	RECEIVING	RECOMMENDED	SIZE1)	TREATMENT ⁽²⁾	ALLOCATION ⁽³⁾	ARRANGEMENT	SCHEDULE
NUMBER		STREAM	ACTION		LEVEL	lb/d BOD₅	ARRANGEWENT	SCHEDULE
2	Harrisonburg	North River WQ	Correct I/I	12.0(5)	AST	2,0002(6)	Harrisonburg-	None
	Rockingham	(1-1)					Rockingham	
	Reg. Sewer						Regional Sewer	
	Auth.						Authority	
3	Verona	Middle River WQ	Construct new	0.8	Secondary	Secondary	Augusta County	July 1, 1983
		(1-2a)	facility, abandon			Limits	Service Authority	
			old plant, correct					
			1/1					
4	Staunton	Middle River WQ	Upgrade, provide	4.5	Secondary	Secondary	City of Staunton	July 1, 1983
		(1-2a)	outfall to Middle			Limits		
			River, correct I/I					
5	Fishersville	Christians Creek	No further action	2.0	Secondary	Secondary	Augusta County	None
		EL (1-2)	recommended			Limits	Service Authority	

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9	Waynesboro	South River WQ	Upgrade, correct	4.0	AWT with	250 ⁽⁵⁾	City of	July 1, 1983
		(1-3a)	1/1		nitrification		Waynesboro	
11	Grottoes	South River EL	Construct new	0.225	Secondary	Secondary	Town of Grottoes	No existing
		(1-3)	facility			Limits		facility
13	Elkton	S.F. Shenandoah	Construct new	0.4	Secondary	Secondary	Town of Elkton	July 1, 1983
		River WQ (1-4a)	facility, abandon			Limits		
			old plant					
14	Massanutten	Quail Run WQ (1-	No further action	1.0	AWT	84.0(8)	Private	None
	Public	4c)	recommended					
	Service							
	Corporation							
15	Shenandoah	S.F. Shenandoah	Upgrade, expand,	0.35	Secondary	Secondary limits	Town of	No existing
		River EL (1-4)	correct I/I				Shenandoah	facility
16	Stanley	S.F. Shenandoah	Construct new	0.3	Secondary	Secondary limits	Town of Stanley	No existing
		River EL (1-4)	facility					facility
18	Luray	Hawksbill Creek	Construct new	0.8	Secondary	Secondary	Town of Luray	July 1, 1983
		WQ (1-4b)	facility, abandon			Limits		
			old plant, correct					
			1/1					
19	Front Royal	Shenandoah	Construct new	2.0	Secondary	Secondary	Town of Front	July 1, 1983
		River EL (1-6)	facility, abandon			Limits	Royal	
			old plant, correct					
			1/1					
20	Broadway	N.F. Shenandoah	Upgrade, expand,	(6)	(6)	(6)	Town of	July 1, 1983
		River WQ (1-5b)	investigate I/I				Broadway	
24	Timberville	N.F. Shenandoah	Upgrade, expand,	(6)	(6)	(6)	Town of	July 1, 1983
		River WQ (1-5b)	investigate I/I				Timberville	
25	New Market	N.F. Shenandoah	Upgrade,	0.2	Secondary	Secondary	Town of New	July 1, 1983
		River EL (1-5)	investigate I/I			Limits	Market	
26	Mount	N.F. Shenandoah	Upgrade, expand,	.0.2	Secondary	Secondary	Town of Mount	July 1, 1983
	Jackson	River EL (1-5)	correct I/I			Limits	Jackson	

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27	Edinburg	N.F. Shenandoah	Upgrade, expand,	0.15	Secondary	Secondary	Town of Edinburg	July 1, 1983
		River EL (1-5)	investigate I/I		AST	Limits 65	Public	None
28	Stony Creek	River EL (1-5)	No further action	0.6	AST	65	Public	
	Sanitary	Stony Creek WQ	required					
	District	(1-5a)						
29	Woodstock	N.F. Shenandoah		0.5	Secondary	Secondary	Town of	July 1, 1983
		River EL (1-5)				Limits	Woodstock	
30	Toms Brook-	Toms Brook EL	Construct new	0.189	Secondary	Secondary	Toms Brook	No existing
	Mauertown	(1-5)	facility			Limits		facility
31	Strasburg	N.F. Shenandoah	Upgrade, expand,	0.8	Secondary	Secondary	Town of	July 1, 1983
		River EL (1-5)	correct I/I			Limits	Strasburg	
32	Middletown	Meadow Brook	Upgrade, expand	0.2	Secondary	Secondary	Town of	July 1, 1983
		EL (1-5)					Middletown	
33	Stephens	Stephens Run EL	Upgrade, expand	0.54	AST	72	Frederick-	July 1, 1983
	City	(1-6a)					Winchester	
	Stephens						Service Authority	
	Run							
34	Berryville	Shenandoah	Upgrade, provide	0.41	Secondary	Secondary	Town of Berryville	July 1, 1983
		River EL (1-6)	outfall to			Limits		
			Shenandoah					
			River, investigate					
			1/1					
36	Frederick-	Opequon Creek	Construct new	6.0	AWT with	456(7)	Frederick-	July 1, 1983
	Winchester	WQ (1-7a)	facility, abandon		nitrification		Winchester	
	Regional		county and city				Service Authority	
			plans, correct I/I					
37	Monterey	West Strait Creek	Upgrade, correct	0.075	Secondary	Secondary	Town of Monterey	July 1, 1983
		EL (1-9)	1/1			Limits		
		l .		l .			1	1

WASTEWATER TREATMENT FACILITIES

⁽¹⁾ Year 2000 design flow (MGD) unless otherwise noted.

⁽²⁾ Secondary treatment: 24-30 mg/I BOD₅, advanced secondary treatment (AST): 11-23 mg/I BOD₅, advanced

wastewater treatment (AWT): <10 mg/l BOD₅. A range is given to recognize that various waste treatment processes have different treatment efficiencies.

- (3) Recommended wasteload allocation calculated using mathematical modeling based upon 7Q10 stream flows.
- Tiered permits may allow greater wasteloads during periods of higher stream flows. Allocations other than BOD₅ are noted by footnote.
- (4) The July 1, 1983, data is a statutory deadline required by P.L. 92-500, as amended by P.L. 92-217. The timing of construction grant funding may result in some localities to miss this deadline.
- (5) Year 2008 design.
- (6) This BOD loading is based on a 7QI0 flow rate of 26.8 cfs at the HRRSA discharge.
- $^{(7)}$ NH₃ -N = 50 lb/d.
- (8) This allocation is based on a TKN loading no greater than 84 lb/day.

9 VAC 25-720-80. Roanoke River Basin.

A. Total maximum Daily Load (TMDLs).

TMDL	Stream Name	TMDL Title	City/	WBID	Pollutant	WLA	Units
#			County				
1.	Ash Camp Creek	Total Maximum Daily Load Development for Ash Camp Creek	Charlotte	L39R	Sediment	20.7	T/YR
2.	North Fork Blackwater River	Total Maximum Daily Load (TMDL) Development for the Upper Blackwater River Watershed	Franklin	L08R	Sediment	0	T/YR
3.	North Fork Blackwater River	Total Maximum Daily Load (TMDL) Development for the Upper Blackwater River Watershed	Franklin	L08R	Phosphorus	0	T/YR

4.	Upper Blackwater	Total Maximum Daily	Franklin	L08R	Sediment	0.526	T/YR
	River	Load (TMDL)					
		Development for the					
		Upper Blackwater River					
		Watershed					
<u>5.</u>	Flat Creek	Benthic TMDL for Flat Creek Watershed, Virginia	Mecklenburg	<u>L79R</u>	<u>Sediment</u>	<u>76.2</u>	<u>T/YR</u>

B. Stream segment classifications, effluent limitations including water quality based effluent limitations, and waste load allocations.

TABLE B1 - STREAM SEGMENT CLASSIFICATION

Classification		Segment description
WQMA		
IV		
	Е	All tributaries to the Roanoke River not previously classified in the WQMA.
WQMA		
V		
	Е	Roanoke River and all tributaries in this WQMA.
WQMA		
VI		
	WQ	Ash Camp Creek.
	EL	Twittys Creek.
	Е	Roanoke Creek to include all tributaries not previously classified in the WQMA.

WQMA		
VII		
	WQ	Banister River from /confluence of Polecat Creek to confluence of Dan and Banister
		Rivers (River only).
	EL	Dan River from confluence Miry Creek to backwaters of Kerr Reservoir (River only).
	WQ	Kerr Reservoir.
	WQ	Little Bluestone Creek.
	WQ	Butcher Creek
	WQ	Flat Creek.
	Е	All tributaries to Kerr Reservoir, Dan River and Banister River not previously classified
		in this WQMA.
	Е	Roanoke River from confluence Clover Creek to headwaters of Kerr Reservoir.
	Е	All tributaries to the Roanoke River in this WQMA not previously classified.
WQMA		
VIII		
	Е	Hyco River from the NC-VA, State Line to its confluence with the Dan River to include
		all tributaries.
WQMA		
IX		
	Е	Banister River through this WQMA
	EL	Georges Creek.

	FI	
	EL	Cherrystone Creek.
	Е	All tributaries to the Banister River not previously classified in this WQMA.
WQMA		
X		
	Е	Dan River from NC-VA State Line to one mile above the confluence of Sandy River
		(River only).
	Е	Sandy River to include all tributaries.
	WQ	Dan River from one mile above confluence of Sandy River to NC-VA line.
	Е	Dan River from NC-VA line to confluence Miry Creek
	Е	All tributaries to the Dan River in Virginia not previously classified in this WQMA.
WQMA		
XII		
	Е	Smith River from its headwaters to Philpot Dam.
	WQ	Smith River from Philpott Dam to the NC-VA State Line.
	EL	Marrowbone Creek.
	EL	Leatherwood Creek.
	Е	All tributaries to the Smith River not previously classified in this WQMA.
WQMA		
XIII		
	Е	North Mayo River from its headwaters to the NC-VA State Line to include all
		tributaries.
	-1	

WQMA		
XIV		
	Е	Headwaters South Mayo River to confluence North Fork South Mayo River.
	EL	South Mayo River from confluence with North Fork to NC-VA Line.
	Е	All tributaries of the South Mayo River not previously classified in this WQMA.
WQMA		
XV		
	Е	All streams in this WQMA.

Source: Hayes, Seay, Mattern & Mattern

TABLE B2 - SEWERAGE SERVICE AREAS - WASTELOAD ALLOCATIONS FOR ROANOKE RIVER BASIN WATER QUALITY MANAGEMENT PLAN.

Water Quality					
Management	Study Area			Segment	303(e)Wasteload
Area (WQMA)	Name	Discharger	Stream Name	Classification	Allocation BOD₅ lbs/day
WQMA IV	Appomattox	Appomattox STP	Falling R.	EL	100.00
WQMA IV	Brookneal	Brookneal STP and Dan River, IncBrookneal	Roanoke R.	EL	1381.20
WQMA IV	Rustburg	Rustburg STP	Molleys Cr.	WQ	17.94
WQMA VI	Drakes Branch	West Point Stevens - Drakes Branch	Twittys Cr.	EL	27.82
WQMA VII	Clarksville	Chase City Regional STP	Little Blue Stone Cr.	WQ	N/A ¹

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WQMA VII	Chase City-	Boydton	Coleman Cr.	EL	N/A ¹	
	Boydton	Clarksville STP	Kerr Reservoir	WQ	131.00	
		Burlington Industries -	Kerr Reservoir	WQ	1793.00	
		Clarksville	Neil Neselvoll	WQ	1793.00	
WQMA VII	Courth Doctor		Dan Diver	WQ	4054.00	
WQWA VII	South Boston	South Boston STP	Dan River	VVQ	1854.00	
	Halifax-	Halifax STP, Halifax	Banister R.	WQ	584.84	
	Scottsburg	Cotton Mills, Burlington				
		Ind Halifax and				
		Scottsburg STP				
	Clover	Clover	Clover Cr.	EL	8.76	
WQMA VII	South Hill -	South Hill, Lacrosse and	Flat Cr.	WQ	N/A ¹	
	Lacrosse -	Broadnax				
	Broadnax					
WQMA VII	Virgilina	Virgilina	X-Trib. To	EL	13.00	
			Wolfpit Run			
WQMA IX	Chatham -	Chatham -	Cherrystone Cr.	EL	125.22	
	Gretna	Gretna	Georges Cr.	EL	100.00	
WQMA X	Dan River	Danville and US Gypsum	Dan R.	WQ	4407.00	
WQMA X	Dan River, Inc.	WILL DISCHARGE PROCI	ESS WATER TO 1	THE CITY OF DA	NVILLE STP	
WQMA XII	Smith R.	Henry County PSA-Upper	Smith R.	WQ	567.00	
		Smith R. STP				
		Collinsville STP Fieldcrest	CONNECTED TO	O UPPER SMITH	I R. STP CONNECTED TO	
		Mills	UPPER SMITH R. STP			
		E.I. duPont	Smith R.	WQ	503.00	

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		Martinsville STP	Smith R.	WQ	1500.00
		Henry County PSA-Lower Smith R. STP	Smith R.	WQ	567.00
WQMA XIV	Stuart-Patrick	Stuart STP	S. Mayo R.	EL	141.90
	Springs	United Elastic Patrick Springs	S. Mayo R.	EL	8.38
WQMA XIV	NONE	United Elastic Woolwine	Smith R.	EL	192.00

NOTES:

TABLE B3 - WASTELOAD ALLOCATIONS FOR DISCHARGERS WITH TIERED PERMITS ROANOKE RIVER

BASIN WATER QUALITY MANAGEMENT PLAN.

Water Quality Manage-				Effluent					Total Kjeldahl
ment Area	Study A rea			Flow	D.O.	CBOD₅	BOD ₅	Ammonia	Nitrogen
(WQMA)	Name	Discharger	Months	(mgd)	(mg/l)	(lbs/day)	(mg/l)	(mg/l)	(mg/l)
WQMA VI	Keysville	Keysville	DecApr.	0.500	5.0	104.32	25.0 ¹	1.4	
			May-Nov.	0.500	5.0	70.94	17.0 ¹		4.0
WQMA VII	South Hill-	South Hill	JanFeb	1.000	6.5	250.00	30.0	20.0	
	Lacrosse-		March						
	Broadnax		AprMay	1.000	6.5	83.0	10.0	1.0	
			June-Sept	1.000	6.5	75.00	9.0	1.0	
			Oct.	1.000	6.5	83.00	10.0	1.0	
			Nov.	1.000	6.5	142.00	17.0	5.0	
			Dec.	1.000	6.5	250.00	30.0	20.0	

¹See Table B3 of this section.

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WQMA VII	Clarksville-	Boydton	May-Nov.	0.360	5.0	39.1	13.0 ¹		3.0
	Chase City- Boydton		DecApr.	0.360	5.0	75.1	25.0 ¹		
WQMA VII	Clarksville-	Chase City	May-Nov.	0.600	6.0	65.04	13.0 ¹	1.8	4.2
	Chase City- Boydton		DecApr.	0.600	7.0	125.22	25.0 ¹	3.4	8.8

NOTES:

¹CBOD₅ (CBOD₅/BOD₅=25/30).

TABLE B4 - SEGMENT CLASSIFICATION - STANDARDS UPPER ROANOKE RIVER SUBAREA
HUC CODE 03010101

	303(e)		Stream	
Stream	Segment		Classificatio	
Name	Number	Mile to Mile	n	Comments
N.F.	4A-1	30.80 to 0.00	E.LP	Main and tributaries.
Roanoke				
River				
S.F.	4A-1	16.60 to 0.00	E.LP	Main and tributaries.
Roanoke	16.60 to		W.QFC	Main only.
River	0.00			
	E.LP			
	Main and			
	tributaries.			

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Roanoke	4A-2	227.74 to	W.QDO,P	Main only to 14th Street Bridge.
River		202.20		
Peters Creek	4A-2	8.00 to 0.00	W.QDO,P	Main only.
Roanoke	4A-2	202.20 to	W.QDO,P	Main to confluence with Prater Creek.
River		195.87		
Tinker	4A-2	19.40 to 0.00	W.QDO,P,	Main only.
Creek			FC	
Beck Creek	4A-2	25.70 to 0.00	E.LP	Main and tributaries.
Roanoke	4A-2	195.87 to	W.Q DO,P	Main and impounded tributaries (impounded
River		158.20		portions only) to Smith Mtn. Dam.
Other	4A-2	227.74 to	E.LP	Tributaries only.
tributaries to		158.20		
the Roanoke				
River				
Blackwater	4A-3	58.80 to	E.LP	Main and tributaries.
River		19.75		
Blackwater	4A-3	19.75 to 0.00	W.QDO,P	Main and impounded tributaries(impounded
River				portions only) to mouth of Blackwater River.

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Other	4A-3	58.80 to 0.00	E.LP	Tributaries only.
tributaries to				
the				
Blackwater				
River				
Pigg River	4A-4	79.80 to	E.L.	Main and tributaries from the headwaters to the
		58.00		confluence with Furnace Creek - except Story
				Creek.
Storey	4A-4	10.30 to 0.00	W.QDO	Main Only.
Creek				
Pigg River	4A-4	58.00 to	W.QDO	Main only from Furnace Creek to the
		47.60		confluence with Powder Mill Creek.
Pigg River	4A-4	47.60 to 0.00	E.L.	Main and tributaries.
Roanoke	4A-5	158.20 to	E.L.	Main and tributaries. (Leesville Lake)
River		140.54		
Goose	4A-5	39.30 to 0.00	E.L.	Main and tributaries.
Creek				
Little Otter	4A-5	17.15 to	E.L.	Main and tributaries to confluence with Johns
River		14.36		Creek.
Johns Creek	4A-5	4.00 to 0.00	W.QDO	Main only.

Little Otter	4A-5	14.36 to 0.00	W.QDO	Main only from confluence with Johns Creek
River				to Big Otter River.
Big Otter	4A-5	42.68 to 0.00	E.L.	Main and tributaries.
River				
Roanoke	4A-5	140.54 to	E.L.	Main and tributaries.
River		123.79		

Legend:

DO = Dissolved Oxygen

P = Phosphorus

FC = Fecal Coliform

T = Temperature

TABLE B5 - WASTELOAD ALLOCATIONS BASED ON EXISTING DISCHARGE POINT 1 UPPER ROANOKE RIVER SUBAREA

HUC 03010101

									TOTAL
							VPDES	303(e) 3/	MAXIMUM
			SEGMENT				PERMIT	WASTELOAD	DAILY LOAD
			CLASSIFI-			VPDES	LIMITS	ALLOCATIO	W.Q.
MAP		SEGMENT	CATION	MILE to		PERMIT	BOD ₅ ⁴	N BOD ₅ ⁴	SEGMENTS
LOCATION	STREAM NAME	NUMBER	STANDARDS	MILE ²	DISCHARGER	NUMBER	kg/day	kg/day	BOD ₅ ⁴ kg/day
A	S.F. Roanoke R,	4A-1	E.LP	6.33-	Montgomery	VA0024031	11.40	Secondary	
			WQ-FC		County PSA				
					Shawsville STP				
В	S.F. Roanoke R.	4A-1	E.LP	0.76-	Montgomery	VA0062219	28.00	Secondary	
					County PSA				
					Elliston -				
					Lafayette STP				
В	S.F. Roanoke R.	4A-1	-	0.76-	County PSA Shawsville STP Montgomery County PSA Elliston-	VA0062219	28.00	,	

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С	X-trib to N.F.	4A-1	E.LP	0.25-	Lonnie J. Weddle	VA0073229	0.03	Secondary	
	Roanoke R.				Residence				
D	X-trib to N.F.	4A-1	E.LP	0.25-	James Luther	VA0073237	0.05	Secondary	
	Roanoke R.				Residence				
Е	N.F. Roanoke R.	4A-1	E.LP	17.57 -	Blacksburg	VA0027481	4.00	Secondary	
					Country Club,				
					Inc.				
1	Cedar Run	4A-1	E.LP	2.64-	Wolverine	VA0052825	N/A	Secondary	
				0.46-	Gasket Co., Inc				
F	Cedar Run	4A-1	E.LP	0.40-	Wendell Hensley	VA0066737	0.07	Secondary	
					Residence				
G	X-trib to Cedar	4A-1	E.LP	0.20-	Ivan Gary Bland	VA0077488	0.05	Secondary	
	Run				Residence				
Н	Cedar Run	4A-1	E.LP	0.46-	Velma D.	VA0080021	0.06	Secondary	
					Compton				
					Residence				
2	N.F. Roanoke R.	4A-1	E.LP	15.21-	Federal Mogal,	VA0001619	N/A	Secondary	
					Inc.				
I	N.F. Roanoke R.	4A-1	E.LP	0.76-	VDOT-I-81	VA0060941	2.80	Secondary	
					Ironto Rest Area				
3	X-trib to Roanoke	4A-2	E.LP	1.04-	Salem Stone	VA0006459	N/A	Secondary	
	R.				Corp.				
4	Roanoke R.	4A-2	W.QDO,P	218.13-	Roanoke Electric	VA0001333	N/A	N/A	N/A
					Steel Salem Plant				
5	Roanoke R.	4A-2	W.QDO,P	216.33-	Koppers Co.	VA0001341	N/A	N/A	N/A
					Inc.				
6	Snyders Br.	4A-2	E.L.P	0.17-	Graham White	VA0030031	N/A	Secondary	
					Mfg., Inc.				
7	Bowmans's Br.	4A-2	E.L.P.	0.20-	Mechanical	VA002311	N/A	Secondary	
					Development				
					Co., Inc.				

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8	Roanoke R.	4A-2	W.Q-DO,P	212.61-	Rowe Furniture	VA0024716	N/A	N/A	N/A
					Corp., Inc.				
9	Roanoke R.	4A-2	W.Q.LDO,P	212.39-	Valleydale	VA0001317	N/A	N/A	N/A
					Packers, Inc.				
J	X-trib to Mason	4A-2	E.L.P.	0.21	Gary L. Bryant	VA0063398	0.07	Secondary	
	Cr.				Residence				
K	Mason Cr.	4A-2	E.L.P.	0.30-	Roanoke County	VA0027545	0.45	Secondary	
					Schools Mason				
					Cove E.S.				
L	Mason Cr.	4A-2	E.L.P.	7.79-	Roanoke Moose	VA0077895	0.53	Secondary	
					Lodge 284				
M	Gish Br.	4A-2	E.L.P.	1.80-	Eddie Miller	VA0076759	0.06	Secondary	
					Residence				
10	Roanoke R.	4A-2	W.QDO,P	209.58-	Virginia Plastics	VA0052477	N/A	N/A	N/A
					Co., Inc.				
10	X-trib to Mud	4A-2	E.L.P.	0.47-	Virginia Plastics	VA002477	2.70	Secondary	
	Lick				Co., Inc.				
11	Peters Cr.	4A-2	W.QDO,P	0.26-	Roanoke Electric	VA0001589	N/A	N/A	N/A
					Steel Roanoke				
					Plant				
12	Roanoke R.	4A-2	W.QDO,P	207.60-	Fuel Oil &	VA0001252	N/A	N/A	N/A
					Equipment Co.,				
					Inc.				
13	Roanoke R.	4A-2	W.QDO,P	207.24	Norfolk &	VA0001597	N/A	N/A	N/A
					Western				
					Railways Co.,				
					IncSchaffers				
					Crossing				
				_1			I		

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13	Horton Cr.	4A-2	E.L.P.	0.41-	Norfolk &	VA0001597	N/A	Secondary	
					Western				
					Railways Co.,				
					IncSchaffers				
					Crossing				
N	Roanoke	4A-2	W.QDO,P	201.81-	Roanoke City	VA0025020	1173.00	1173.00	1352.00
					Regional STP				
14	Carvin Cr.	4A-2	E.LP.	5.77-	Roanoke City	VA0001473	N/A	Secondary	
					Carvin Cove				
15	Carvin Cr.	4A-2	E.LP.	4.98-	ITT Electro-	VA0020443	N/A	Secondary	
					Optical Products				
					Division				
16	Tinker Cr	4A-2	W.QDO,P,FC	5.17	Elizabeth Arden,	VA0001635	N/A	N/A	N/A
					Inc.				
17	Tinker Cr	4A-2	W.QDO,P,FC	1.45	Exxon Company,	VA0079006	N/A	N/A	N/A
					USA, Inc.				
18	Lick Run	4A-2	E.LP.	3.51-	Norfolk &	VA0001597	N/A	Secondary	
					Western				
					Railways Co.,				
					IncSchaffers				
					Crossing				
18	Lick Run	4A-2	E.LP.	1.12-	Norfolk &	VA0001511	N/A	Secondary	
					Western				
					Railways Co.,				
					IncEast End				
					Shops				
O	X-trib to Glade Cr	4A-2	E.LP.	1.60-	R.W. Bowers	VA0068497	0.06	Secondary	
					Commerical				
P	X-trib to Glade Cr	4A-2	E.LP.	1.24-	Geraldine B.	VA0076546	0.06	Secondary	
					Carter Residence				

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Q	Coyner Spring Br.	4A-2	E.LP.	0.50-	Roanoke City-	VA0021121	0.80	Secondary	
					Coyner Springs				
					STP				
D	Doole Co	44.2	E.LP.	16.14-	Roanoke	VA0027103	45.40	Secondary	
R	Back Cr.	4A-2	E.LP.	10.14-		VA002/103	45.40	Secondary	
					Sanitary Disposal				
					CorpStarkey				
					STP				
19	Back Cr.	4A-2	E.LP.	1.48-	Shell Oil Co.,	VA0001431	N/A	Secondary	
					Inc.				
S	X-trib to Back Cr.	4A-2	E.LP.	1.00-	Suncrest	VA0028711	2.30-	Secondary	
					Development				
					Co., Inc				
					Suncrest Heights				
					STP				
20	Falling Cr.	4A-2	E.LP.	7.70-	Roanoke City-	VA0001465	N/A	Secondary	
					Falling Cr. WTP				
Т	X-trib to Falling	4A-2	E.LP.	0.32-	Oak Ridge	VA0078392	3.40	Secondary	
	Cr.				Mobile Home				
					Park				
U	Nat Branch	4A-2	E.LP.	0.59-	Bedford County	VA0020842	0.50	Secondary	
					Schools				
					Stewartsville				
					E.S.				
V	Roanoke R	4A-2	W.QDO,P	182.76-	L. Jack & Vicki	VA0067229	0.07	0.07	170.07
					S. Browning				
					Residence				
W	X-trib to Little Cr.	4A-2	E.LP.	0.16-	Robert R. Walter	VA0074004	0.05	Secondary	
					Residence				
X	X-trib to Teals Cr.	4A-3	E.LP.	0.96-	Franklin County	VA0060291	0.50	Secondary	
					Schools Boones				
					Mill E.S.				
				<u> </u>					

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21	Blackwater R.	4A-3	E.LP.	40.05 -	Rocky Mount	VA0055999	N/A/	Secondary	
					Town				
					Blackswater R.				
					WTP				
Y	Blackwater R.	4A-3	E.LP.	38.95-	Franklin Manor	VA0067555	1.70	Secondary	
					Home for Adults				
Z	X-trib to	4A-3	E.LP.	1.15-	Franklin County	VA0060283	0.80	Secondary	
	Blackwat er R.				Schools Rocky				
					Mount E.S.				
AA	X-trib to	4A-3	E.LP.	0.28-	Boones Mill	VA0078401	0.50	Secondary	
	Maggodee Cr.				Town- Sand				
					Filter				
AB	Maggodee Cr.	4A-3	E.LP.	14.51	Boones Mill	VA0067245	3.40	Secondary	
					Town STP				
AC	Roanoke R.	A-5	E.LP.	158.09-	APCO- SML	VA0074179	0.57	Secondary	
					Dam Visitors				
					Center				
AD	Roanoke R.	4A-5	E.LP.	157.49-	APCO- SML	VA0074217	0.57	Secondary	
					Dam Picnic Area				
AE	Storey Cr.	4A-4	W.QDO	9.78-	Ferrum Water &	VA0029254	14.20	14.20	14.60
					Sewage				
					Authority Ferrum				
					STP				
23	X-trib to Pigg R.	4A-4	E.L.	1.28-	The Lane	VA0098438	N/A	Secondary	
					Company-Rocky				
					Mount Plant				
22	Pigg R.	4A-4	W.QDO	57.24-	Ronile, Inc.	VA0076015	14.80	14.80	34.98
AF	Pigg R.	4A-4	W.QDO	56.72-	Rocky Mt. Town	VA0023728	133.00	133.00	153.18
					Existing STP				
				52.68-	Rocky Mt. Town	VA0085952		133.00	
					Proposed STP				
					- Toposea DTI				

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X-trib to Powder	4A-4	E.L.	1.64-	Rocky Top	VA0080071	N/A	Secondary	
Mill Cr.				Wood Preservers				
				Inc.				
Willow Cr.	4A-4	E.L.	1.30-	Town & Country	VA0028657	4.50	Secondary	
				Subdivision				
S.F. Goose Cr.	4A-5	E.L.	6.77-	Blue Ridge Stone	VA0050636	N/A	Secondary	
				Corp Blue				
				Ridge Plant				
X-trib to Goose	4A-5	E.L.	0.66-	Woodhaven	VA0074870	0.50	Secondary	
Cr.				Village, Inc.				
X-trib to Goose	4A-5	E.L.	0.08	Conoco, Inc.	VA0055328	N/A	Secondary	
Cr.								
S.F. Goose Cr.	4A-5	E.L.	2.58-	Chevron USA,	VA0026051	N/A	Secondary	
				Inc.				
X-trib to Goose	4A-5	E.L.	0.20-	Phillips	VA0051446	N/A	Secondary	
Cr.				Petroleum Co.,				
				Inc.				
X-trib to Goose	4A-5	E.L.	0.04-	Amoco Oil Co.,	VA0054577	N/A	Secondary	
Cr.				Inc.				
X-trib to Goose	4A-5	E.L.	0.06-	Amoco Oil Co.,	VA0054577	N/A	Secondary	
Cr.				Inc.				
X-trib to Goose	4A-5	E.L.	0.14-	Amoco Oil Co.,	VA0054577	N/A	Secondary	
Cr				Inc.				
S.F. Goose Cr.	4A-5	E.L.	2.30-	Colonial Pipeline	VA0051721	N/A	Secondary	
				Co., Inc.				
X-trib to N.F.	4A-5	E.L.	0.20-	Bedford County	VA0066206	0.42	Secondary	
Goose Cr				Schools-				
				Montvale E.S.				
S.F. Goose Cr.	4A-5	E.L.	2.18-	Texaco, Inc.	VA0001490	N/A	Secondary	
X-trib to Day Cr.	4A-5	E.L.	1.79-	Camp Virginia	VA0060909	1.70	Secondary	
				Jaycee Inc.				
	Mill Cr. Willow Cr. S.F. Goose Cr. X-trib to Goose Cr. S.F. Goose Cr.	Mill Cr. Willow Cr. 4A-4 S.F. Goose Cr. 4A-5 X-trib to Goose 4A-5 Cr. 4A-5 S.F. Goose Cr. 4A-5 X-trib to Goose 4A-5 Cr. X-trib to Goose A-5 4A-5 Cr. X-trib to Goose A-5 4A-5 Cr. X-trib to Goose A-5 4A-5 Cr. 4A-5 X-trib to Goose 4A-5 X-trib to N.F. 4A-5 Goose Cr. 4A-5 S.F. Goose Cr. 4A-5	Mill Cr. 4A-4 E.L. S.F. Goose Cr. 4A-5 E.L. X-trib to Goose 4A-5 E.L. Cr. X-trib to Goose 4A-5 E.L. Cr. S.F. Goose Cr. 4A-5 E.L. X-trib to Goose 4A-5 E.L. Cr. X-trib to N.F. 4A-5 E.L. X-trib to N.F. 4A-5 E.L. S.F. Goose Cr. 4A-5 E.L. S.F. Goose Cr. 4A-5 E.L.	Mill Cr. 4A-4 E.L. 1.30- S.F. Goose Cr. 4A-5 E.L. 6.77- X-trib to Goose Cr. 4A-5 E.L. 0.66- Cr. X-trib to Goose Cr. 4A-5 E.L. 0.08 Cr. S.F. Goose Cr. 4A-5 E.L. 0.20- Cr. X-trib to Goose A-5 E.L. 0.04- Cr. X-trib to Goose A-5 E.L. 0.04- Cr. X-trib to Goose A-5 E.L. 0.14- Cr. X-trib to Goose A-5 E.L. 0.14- Cr. X-trib to Goose A-5 E.L. 0.14- Cr. X-trib to N.F. 4A-5 E.L. 0.20- X-trib to N.F. 4A-5 E.L. 0.20- S.F. Goose Cr. 4A-5 E.L. 0.20- S.F. Goose Cr. 4A-5 E.L. 2.18-	Mill Cr. Wood Preservers Inc. Willow Cr. 4A-4 E.L. 1.30- Town & Country Subdivision S.F. Goose Cr. 4A-5 E.L. 6.77- Blue Ridge Stone Corp Blue Ridge Plant X-trib to Goose 4A-5 E.L. 0.66- Woodhaven Village, Inc. Cr. X-trib to Goose 4A-5 E.L. 0.08 Conoco, Inc. Cr. S.F. Goose Cr. 4A-5 E.L. 2.58- Chevron USA, Inc. X-trib to Goose 4A-5 E.L. 0.20- Phillips Cr. Inc. Petroleum Co., Inc. X-trib to Goose 4A-5 E.L. 0.04- Amoco Oil Co., Inc. X-trib to Goose 4A-5 E.L. 0.06- Amoco Oil Co., Inc. X-trib to Goose 4A-5 E.L. 0.14- Amoco Oil Co., Inc. X-trib to Goose 4A-5 E.L. 0.20- Bedford County Schools- Montvale E.S. X-trib to Day Cr. 4A-5 E.L. 2.18- Texaco, Inc. X-trib to Day Cr. 4A-5 E.L.	Mill Cr. Wood Preservers Inc. Willow Cr. 4A-4 E.L. 1.30- Town & Country VA0028657 Subdivision S.F. Goose Cr. 4A-5 E.L. 6.77- Blue Ridge Stone Ridge Plant X-trib to Goose Cr. 4A-5 E.L. 0.66- Woodhaven VA0074870 Village, Inc. X-trib to Goose Cr. 4A-5 E.L. 0.08 Conoco, Inc. VA0055328 VA0026051 Inc. X-trib to Goose Cr. 4A-5 E.L. 2.58- Chevron USA, Petroleum Co., Inc. VA0026051 Inc. X-trib to Goose Cr. 4A-5 E.L. 0.04- Amoco Oil Co., VA005446 Cr. X-trib to Goose AA-5 E.L. 0.04- Amoco Oil Co., VA0054577 Inc. X-trib to Goose AA-5 E.L. 0.04- Amoco Oil Co., VA0054577 Inc. X-trib to Goose AA-5 E.L. 0.14- Amoco Oil Co., VA0054577 Inc. X-trib to Goose Cr. 4A-5 E.L. 0.14- Amoco Oil Co., VA0054577 Inc. S.F. Goose Cr. 4A-5 E.L. 0.14- Amoco Oil Co., VA0054577 Inc. S.F. Goose Cr. 4A-5 E.L.	Mill Cr. Wood Preservers Inc. Willow Cr. 4A-4 E.L. 1.30- Town & Country VA0028657 4.50 4.50 S.F. Goose Cr. 4A-5 E.L. 6.77- Blue Ridge Stone VA0050636 N/A N/A Corp. Blue Ridge Plant Corp. Blue Ridge Plant N/A VA0074870 0.50 0.50 0.50 Cr. X-trib to Goose A-5 E.L. 0.08 Conoco, Inc. VA0074870 0.50 0.50 Cr. S.F. Goose Cr. 4A-5 E.L. 0.08 Conoco, Inc. VA0074870 0.50 0.50 X-trib to Goose Cr. 4A-5 E.L. 0.08 Conoco, Inc. VA0026051 N/A Inc. N/A X-trib to Goose Cr. 4A-5 E.L. 0.20 Phillips VA0051446 N/A N/A Inc. N/A Inc. VA0054577 N/A Inc. N/A Inc. VA0054577 N/A Inc. N/A Inc. VA0054577 N/A Inc. VA0054577 N/A Inc. VA0064577 N/A Inc. VA0064577 N/A Inc. VA0064577 N/A Inc. VA0064577 N/A Inc. VA0066206 0.42 Inc. VA0001490 N/A Inc.	Mill Cr. Wood Preservers Inc. Wood Preservers Wood Preservers Inc. Wood Preservers Wood Preservers Wood Preservers Wood Preservers Wood Preservers Inc. Wood Preservers Wood Pres

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AK	X-trib to Reed Cr.	4A-5	E.L.	0.84-	Robincrest	VA0078413	2.70	Secondary
					Mobile Home			
					Park			
AL	X-trib to Wolf Cr.	4A-5	E.L.	0.95	Bedford County	VA0020869	0.30	Secondary
					Schools Thaxton			
					E.S.			
AM	X-trib to Shoulder	4A-5	E.L.	0.95-	Bedford County	VA0068063	2.90	Secondary
Alvi		4A-3	E.L.	0.93-		VA0008003	2.90	Secondary
	Run				Schools-			
					Staunton River			
					H.S.			
AN	Goose Cr.	4A-5	E.L.	19.55-	Camp Tipacanoe	VA0068063	1.10	Secondary
					Inc.			
AO	Mattock Cr.	4A-5	E.L.	3.76-	VDOC- Filed	VA0023515	2.40	Secondary
					Unit #24 Smith			
					Mtn. Lake			
32	Staunton (Roa.) R.	4A-5	E.L.	129.72-	Burlington	VA0001678	530.00	Secondary
					Industries-			
					Klopman			
					Division			
					Altavista Plant			
22	Staunton (Roa.) R	4A-5	E.L.	128.96-	Altavista Town	VA0027189	N/A	Secondary
33	Staunton (Roa.) R	4A-3	E.L.	128.90-		VA002/189	N/A	Secondary
					WTP			
34	Staunton (Roa.) R	4A-5	E.L.	128.94-	The Lane Co.,	VA0001520	N/A	Secondary
					Inc. Altavista			
					Plant			
	Staunton (Roa.) R	4A-5	E.L.		Town of Hurt			Secondary
	, , , , , ,				(Proposed)			
			7.			****	201.55	
AP	Staunton (Roa.) R	4A-5	E.L.	127.96-	Altavista Town	VA0020451	204.00	Secondary
					STP			
35	Staunton (Roa.) R	4A-5	E.L.	126.39-	Ross Labortories	VA0001716	66.204	Secondary
36	X-trib to Big Otter	4A-5	E.L.	1.63-	Bedford City	VA0001503	N/A	Secondary
	R.				WTP			

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37	Roaring Run	4A-5	E.L.	3.26-	Gunnoe Sausage	VA0001449	0.55	Secondary	
					Co., Inc.				
AQ	X-trib to Big Otter	4A-5	E.L.	1.15-	Bedford County	VA0020851	0.40	Secondary	
	R.				Schools Otter				
					River E.S.				
38	X-trib to Little	4A-5	E.L.	0.76-	Wheelbrator	VA0058033	N/A	Secondary	
	Otter R.				Frye, Inc.				
AR	X-trib to Little	4A-5	E.L.	0.42-	Bedford County	VA0020796	2.80	Secondary	
	Otter R.				Schools -Liberty				
					H.S.				
AS	Little Otter R.	4A-5	W.QDO	14.36-	Bedford City	VA0022390	52.80	52.80	64.15
					STP				
39	Johns Cr.	4A-5	W.QDO	2.61-	Golden West	VA0056430	N/A	N/A	N/A
					Foods, Inc.				
AT	X-trib to Wells Cr.	4A-5	E.L.	2.22-	Bedford Country	VA0020818	0.40	Secondary	
					Schools Body				
					Camp E.S.				
AU	X-trib to Big Otter	4A-5	E.L.	1.20-	David T.	VA0080667	0.57	Secondary	
	R.				Callahan				
					Residence				
AV	X-trib to Buffalo	4A-5	E.L.	0.67-	Bedford Country	VA0020826	0.50	Secondary	
	Cr				Schools New				
					London				
					Academy				
AW	Buffalo Cr	4A-5	E.L.	12.42-	Alum Springs	VA0078999	4.50	Secondary	
					Shopping Center				
40	Big Otter R.	4A-5	E.L.	11.74-	Campbell	VA0078646	N/A	Secondary	
					Country USA				
					(Proposed WTP)				
BF	X-trib to Big Otter	4A-5	E.L.	1.07-	Otterwood	VA0082732	0.05	Secondary	
	R				Grocery Store				

CHAPTER 720. WATER QUALITY MANAGEMENT PLANNING REGULATION.

AX	Flat Cr.	4A-5	E.L.	13.34-	Virginia Track &	VA0068594	0.03	Secondary	
					Equipment Corp.				
BD	X-trib to Flat Cr.	4A-5	E.L.	0.68	Montague Betts	VA0075116	0.45	Secondary	
					Co, Inc.				
41	Flat Cr.	4A-5	E.L.	12.62-	Blue Ridge Stone	VA0050628	N/A	Secondary	
					Corp. Lynchburg				
					Plant				
AY	X-trib to Flat Cr.	4A-5	E.L.	0.12-	Winebarger Corp	VA0074969	0.70	Secondary	
AZ	Smith Br.	4A-5	E.L.	2.82-	Briarwood	VA0031194	2.70	Secondary	
					Village				
BE	X-trib to Flat Cr.	4A-5	E.L.	0.88-	Ralph P. Shepard	VA0081591	0.05	Secondary	
					Residence				
BA	X-trib to Flat Cr.	4A-5	E.L.	1.16-	Phillips, Arthur,	VA0068098	0.05	Secondary	
					Phillips Tract #6				
BB	X-trib to Flat Cr.	4A-5	E.L.	1.12-	Kyle E. &	VA0068080	0.05	Secondary	
					Annette D.				
					Shupe Residence				
BC	X-trib to Flat Cr.	4A-5	E.L.	1.08-	Wayne E. &	VA0068071	0.05	Secondary	
					Sherina D. Shupe				
					Residence				
BG	X-trib to	4A-5	E.L.	2.15-	Kelly	VA0067078	0.11	Secondary	
	Troublesome Cr.				Convenience				
					Store				

NOTES:

N/A - Not Applicable - currently no BOD₅ limits or wasteload have been required by the VPDES Permit. Should BOD₅ be required a WQMP amendment would be necessary for Water Quality Limited Segments only.

¹Secondary Treatment levels are required in Effluent Limited segments. Quantities listed for Water Quality Limited segments represent wasteload allocation.

²Ending river miles are not available at this time.

³These allocations represent current and original (1976 WQMP) modeling with the exception of the Altavista segment, river miles 130.00 to 119.00 on the Staunton (Roanoke) River. Future revisions may be necessary based

on State Water Control Board approved modeling.

⁴The VPDES Permit limit presented here is a future loading, not the current VPDES Permit limitation. The permitting process will determine the current loading not to exceed 1173 kg/d WLA established by this plan.

⁵The current permitted BOD₅ loading for this facility is 30 mg/l monthly average and 45 mg/l daily maximum. Based on maximum flowes reported by this facility for 1987-88 (0.389 mgd) the resulting wasteload is 66.2 kg/d. Revocation of the permit has been requested by the permittee.

9 VAC 25-720-90. Tennessee-Big Sandy River Basin.

A. Total maximum Daily Load (TMDLs).

TMDL#	Stream Name	TMDL Title	City/	WBID	Pollutant	WLA	Units
			County				
1.	Guest River	Guest River Total Maximum Load Report	Wise	P11R	Sediment	317.52	LB/YR
2.	Cedar Creek	Total Maximum Daily Load (TMDL) Development for Cedar Creek, Hall/Byers Creek and Hutton Creek	Washington	O05R	Sediment	1,789.93	LB/YR
3.	Hall/Byers Creek	Total Maximum Daily Load (TMDL) Development for Cedar Creek, Hall/Byers Creek and Hutton Creek	Washington	O05R	Sediment	57,533.49	LB/YR
4.	Hutton Creek	Total Maximum Daily Load (TMDL) Development for Cedar Creek, Hall/Byers Creek and Hutton Creek	Washington	O05R	Sediment	91.32	LB/YR
5.	Clinch River	Total Maximum Daily Load Development for	Tazewell	P01R	Sediment	206,636	LB/YR

		the Upper Clinch River					
		Watershed					
6.	Lewis Creek	Total Maximum Daily	Russell	P04R	Sediment	21,732	LB/YR
		Load Development for					
		the Lewis Creek					
		Watershed					
7.	Black Creek	General Standard Total	Wise	P17R	Manganese	2,127	KG/YR
		Maximum Daily Load					
		Development for Black					
		Creek, Wise County,					
		Virginia					
8.	Dumps Creek	General Standard Total	Russell	P08R	Total Dissolved	1,631,575	KG/YR
		Maximum Daily Load			Solids		
		Development for Dumps					
		Creek, Russell County,					
		Virginia					
9.	Dumps Creek	General Standard Total	Russell	P08R	Total	316,523	KG/YR
		Maximum Daily Load			Suspended		
		Development for Dumps			Solids		
		Creek, Russell County,					
		Virginia					
<u>10.</u>	Beaver Creek	Total Maximum Daily	Washington	<u>007R</u>	Sediment	784,036	LB/YR
		Load Development for					
		the Beaver Creek					
		Watershed					

B. Stream segment classifications, effluent limitations including water quality based effluent limitations, and waste load allocations.

TABLE B1 - SEWERAGE SERVICE AREAS

NPDES LIMITS ³]

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CHAPTER 720. WATER QUALITY MANAGEMENT PLANNING REGULATION.

funded in FY 76. Extension of existing interceptor in Bearer Creek & Sinking Creek area to be funded by Region IV EPA and Tennessee. Also infiltration/inflostudy to be funded in FY 77. 23T Chilhowie EL 0.265 68.5 79.6 Proposed Step I study with Marion. Cleveland WQ 0.05 12.5 12.5 Step III grant awarded by EPA. Clinchport WQ Not to exceed present discharge Town and Country Authority has not yet applied for \$\frac{3}{2}\$ from FY 76 funds. 2B Clintwood WQ 0.235 *70.5/117.5 *70.5/ 117.5 On FY 77 list for Step I. 11T Coeburn WQ 0.4 160 160 On FY 77 list for Step I. 18T Damascus EL 0.25 62.5 62.5 Final audit and inspection of facility completed. 6T Duffield EL 0.075 30 30 Not on priority list. Dungannon- Fort WQ Permit to be issued in future Not on priority list. Blackmore 10T Gate City- Weber EL 0.504 *151/252 *151/252 Step I in progress. City 38, 5B Harmon-Big 1.25 156 312 System is approved by state and submitted to EPA. 6B, 7B Grundy-Vansant WQ Permit to be issued in future System is approved and submitted to EPA.		1	I Danah dan	Т	T	1	
No. Locality Classification ² (mgd) (1lbs/day) (lbs/day) 1977) 14T Abingdon E. 0.6 840 840 Step III at EPA for award. 14B Amonate E. Permit to be issued in future Not on priority list. 4T Appalachia E. 0.3 75 75 To be studied with Big Stone Gap E. 0.8 240 240 Recommended for FY 77 Step 1. 13B Bishop E. Permit to be issued in future Not on priority list. Bristol E. Served by plant in Tennessee Health hazard area to be served by collection system funded in FY 76. Extension of existing interceptor in Bearer Creek & Sinking Creek area to be funded by Region IV EPA and Tennessee. Also infiltration/infic study to be funded in FY 77. 23T Chilhowie E. 0.265 68.5 79.6 Proposed Step I study with Marion. Cleveland WQ 0.05 12.5 12.5 Step III grant awarded by EPA. Clinchport WQ Not to exceed present discharge Town and Country Authority has not yet applied for 3 from FY 76 funds. 2B Clintwood WQ 0.235 70.5/117.5 70.5/ 1							
Abingdon EL O.6 840 840 Step III at EPA for award.	Map ¹		Stream	FLOW	BOD₅	SS	Status of Applicable ⁴ Section 201 Programs (March
Amonate EL Permit to be issued in future Not on priority list.	No.	Locality	Classification ²	(mgd)	(1lbs/day)	(lbs/day)	1977)
Appalachia EL 0.3 75 75 To be studied with Big Stone Gap	14T	Abingdon	EL	0.6	840	840	Step III at EPA for award.
Big Stone Gap E. 0.8 240 240 Recommended for FY 77 Step 1.	14B	Amonate	EL	Permit to	be issued in t	future	Not on priority list.
Bishop EL Permit to be issued in future Not on priority list.	4T	Appalachia	EL	0.3	75	75	To be studied with Big Stone Gap
Bristol EL Served by plant in Tennessee Health hazard area to be served by collection system funded in FY 76. Extension of existing interceptor in Bearer Creek & Sinking Creek area to be funded by Region IV EPA and Tennessee. Also infiltration/inflic study to be funded in FY 77. 23T Chilhowie EL 0.265 68.5 79.6 Proposed Step I study with Marion. Cleveland WQ 0.05 12.5 12.5 Step III grant awarded by EPA. Clinchport WQ Not to exceed present discharge Town and Country Authority has not yet applied for 3 from FY 76 funds. 2B Clintwood WQ 0.235 *70.5/117.5 *70.5/ On FY 77 list for Step I. 11T Coeburn WQ 0.4 160 160 On FY 77 list for Step I. 18T Damascus EL 0.25 62.5 62.5 Final audit and inspection of facility completed. 6T Duffield EL 0.075 30 30 Not on priority list. Dungannon- Fort WQ Permit to be issued in future Not on priority list. 10T Gate City- Weber EL 0.504 *151/252 *151/252 Step I in progress. City System is approved by state and submitted to EPA. 6B, 7B Grundy-Vansant WQ Permit to be issued in future System is approved and submitted to EPA.	5T	Big Stone Gap	EL	0.8	240	240	Recommended for FY 77 Step 1.
funded in FY 76. Extension of existing interceptor in Bearer Creek & Sinking Creek area to be funded by Region IV EPA and Tennessee. Also infiltration/inflor study to be funded in FY 77. 23T Chilhowie EL 0.265 68.5 79.6 Proposed Step I study with Marion. Cleveland WQ 0.05 12.5 12.5 Step III grant awarded by EPA. Clinchport WQ Not to exceed present discharge Town and Country Authority has not yet applied for 3 from FY 76 funds. 2B Clintwood WQ 0.235 *70.5/117.5 *70.5/ 117.5 *70.5/ On FY 77 list for Step I. 11T Coeburn WQ 0.4 160 160 On FY 77 list for Step I. 18T Damascus EL 0.25 62.5 62.5 Final audit and inspection of facility completed. 6T Duffield EL 0.075 30 30 Not on priority list. Dungannon- Fort Blackmore 10T Gate City- Weber EL 0.504 *151/252 *151/252 Step I in progress. City System is approved by state and submitted to EPA. 6B, 7B Grundy-Vansant WQ Permit to be issued in future System is approved and submitted to EPA.	13B	Bishop	EL	Permit to	be issued in	future	Not on priority list.
Bearer Creek & Sinking Creek area to be funded by Region IV EPA and Tennessee. Also infiltration/inflostudy to be funded in FY 77. 23T Chilhowie EL 0.265 68.5 79.6 Proposed Step I study with Marion. Cleveland WQ 0.05 12.5 12.5 Step III grant awarded by EPA. Clinchport WQ Not to exceed present discharge Town and Country Authority has not yet applied for \$\frac{1}{2}\$ from FY 76 funds. 2B Clintwood WQ 0.235 *70.5/117.5 *70.5/ 117.5 On FY 77 list for Step I. 11T Coeburn WQ 0.4 160 160 On FY 77 list for Step I. 18T Damascus EL 0.25 62.5 62.5 Final audit and inspection of facility completed. 6T Duffield EL 0.075 30 30 Not on priority list. Dungannon- Fort Blackmore 10T Gate City- Weber EL 0.504 *151/252 *151/252 Step I in progress. 11ST System is approved by state and submitted to EPA. 6B, 7B Grundy-Vansant WQ Permit to be issued in future System is approved and submitted to EPA.		Bristol	EL	Served b	y plant in Ten	nessee	Health hazard area to be served by collection system
Region IV EPA and Tennessee. Also infiltration/inflostudy to be funded in FY 77. 23T Chilhowie EL 0.265 68.5 79.6 Proposed Step I study with Marion. Cleveland WQ 0.05 12.5 12.5 Step III grant awarded by EPA. Clinchport WQ Not to exceed present discharge Town and Country Authority has not yet applied for 3 from FY 76 funds. 2B Clintwood WQ 0.235 *70.5/117.5 *70.5/ On FY 77 list for Step I. 11T Coeburn WQ 0.4 160 160 On FY 77 list for Step I. 18T Damascus EL 0.25 62.5 62.5 Final audit and inspection of facility completed. 6T Duffield EL 0.075 30 30 Not on priority list. Dungannon- Fort WQ Permit to be issued in future Not on priority list. 10T Gate City- Weber EL 0.504 *151/252 *151/252 Step I in progress. 6B, 7B Grundy-Vansant WQ Permit to be issued in future System is approved by state and submitted to EPA.							funded in FY 76. Extension of existing interceptor into
study to be funded in FY 77. 23T Chilhowie EL 0.265 68.5 79.6 Proposed Step I study with Marion. Cleveland WQ 0.05 12.5 12.5 Step III grant awarded by EPA. Clinchport WQ Not to exceed present discharge Town and Country Authority has not yet applied for \$\frac{1}{2}\$ from FY 76 funds. 2B Clintwood WQ 0.235 *70.5/117.5 *70.5/ On FY 77 list for Step I. 11T Coeburn WQ 0.4 160 160 On FY 77 list for Step I. 18T Damascus EL 0.25 62.5 62.5 Final audit and inspection of facility completed. 6T Duffield EL 0.075 30 30 Not on priority list. Dungannon-Fort WQ Permit to be issued in future Not on priority list. 10T Gate City-Weber EL 0.504 *151/252 Step I in progress. City System is approved by state and submitted to EPA. 6B, 7B Grundy-Vansant WQ Permit to be issued in future System is approved and submitted to EPA.							Bearer Creek & Sinking Creek area to be funded by
Clinchovie EL 0.265 68.5 79.6 Proposed Step I study with Marion.							Region IV EPA and Tennessee. Also infiltration/inflow
Cleveland WQ 0.05 12.5 12.5 Step III grant awarded by EPA. Clinchport WQ Not to exceed present discharge Town and Country Authority has not yet applied for \$\frac{1}{2}\$ from FY 76 funds. 2B Clintwood WQ 0.235 *70.5/117.5 *70.5/ On FY 77 list for Step I. 11T Coeburn WQ 0.4 160 160 On FY 77 list for Step I. 18T Damascus EL 0.25 62.5 62.5 Final audit and inspection of facility completed. 6T Duffield EL 0.075 30 30 Not on priority list. Dungannon- Fort WQ Permit to be issued in future Not on priority list. 10T Gate City- Weber EL 0.504 *151/252 *151/252 Step I in progress. City System is approved by state and submitted to EPA. 6B, 7B Grundy-Vansant WQ Permit to be issued in future System is approved and submitted to EPA.							study to be funded in FY 77.
Clinchport WQ Not to exceed present discharge Town and Country Authority has not yet applied for \$\frac{1}{2}\$ from FY 76 funds. 2B Clintwood WQ 0.235 *70.5/117.5 *70.5/ On FY 77 list for Step I. 11T Coeburn WQ 0.4 160 160 On FY 77 list for Step I. 18T Damascus EL 0.25 62.5 62.5 Final audit and inspection of facility completed. 6T Duffield EL 0.075 30 30 Not on priority list. Dungannon-Fort WQ Permit to be issued in future Not on priority list. 10T Gate City- Weber EL 0.504 *151/252 *151/252 Step I in progress. City 3B, 5B Harmon-Big Rock 6B, 7B Grundy-Vansant WQ Permit to be issued in future System is approved by state and submitted to EPA.	23T	Chilhowie	EL	0.265	68.5	79.6	Proposed Step I study with Marion.
from FY 76 funds. 2B Clintwood WQ 0.235 *70.5/117.5 *70.5/ On FY 77 list for Step I. 11T Coeburn WQ 0.4 160 160 On FY 77 list for Step I. 18T Damascus EL 0.25 62.5 62.5 Final audit and inspection of facility completed. 6T Duffield EL 0.075 30 30 Not on priority list. Dungannon- Fort WQ Permit to be issued in future Not on priority list. 10T Gate City- Weber EL 0.504 *151/252 *151/252 Step I in progress. City 3B, 5B Harmon-Big Rock 6B, 7B Grundy-Vansant WQ Permit to be issued in future System is approved and submitted to EPA.		Cleveland	WQ	0.05	12.5	12.5	Step III grant awarded by EPA.
2B Clintwood WQ 0.235 *70.5/117.5 *70.5/ On FY 77 list for Step I. 11T Coeburn WQ 0.4 160 160 On FY 77 list for Step I. 18T Damascus EL 0.25 62.5 62.5 Final audit and inspection of facility completed. 6T Duffield EL 0.075 30 30 Not on priority list. Dungannon- Fort WQ Permit to be issued in future Not on priority list. 10T Gate City- Weber EL 0.504 *151/252 *151/252 Step I in progress. City 3B, 5B Harmon-Big Rock 1.25 156 312 System is approved by state and submitted to EPA.		Clinchport	WQ	Not to ex	ceed present	discharge	Town and Country Authority has not yet applied for Step I
11T Coeburn WQ 0.4 160 160 On FY 77 list for Step I. 18T Damascus EL 0.25 62.5 62.5 Final audit and inspection of facility completed. 6T Duffield EL 0.075 30 30 Not on priority list. Dungannon- Fort WQ Permit to be issued in future Not on priority list. 10T Gate City- Weber EL 0.504 *151/252 *151/252 Step I in progress. City 3B, 5B Harmon-Big Rock 6B, 7B Grundy-Vansant WQ Permit to be issued in future System is approved and submitted to EPA.							from FY 76 funds.
11T Coeburn WQ 0.4 160 160 On FY 77 list for Step I. 18T Damascus EL 0.25 62.5 62.5 Final audit and inspection of facility completed. 6T Duffield EL 0.075 30 30 Not on priority list. Dungannon- Fort Blackmore WQ Permit to be issued in future Not on priority list. 10T Gate City- Weber City EL 0.504 *151/252 *151/252 Step I in progress. City 3B, 5B Harmon-Big Rock 1.25 156 312 System is approved by state and submitted to EPA. 6B, 7B Grundy-Vansant WQ Permit to be issued in future System is approved and submitted to EPA.	2B	Clintwood	WQ	0.235	*70.5/117.5	*70.5/	On FY 77 list for Step I.
18T Damascus EL 0.25 62.5 Final audit and inspection of facility completed. 6T Duffield EL 0.075 30 30 Not on priority list. Dungannon- Fort Blackmore 10T Gate City- Weber EL 0.504 *151/252 *151/252 Step I in progress. City 3B, 5B Harmon-Big Rock 6B, 7B Grundy-Vansant WQ Permit to be issued in future System is approved and submitted to EPA.						117.5	
6T Duffield EL 0.075 30 30 Not on priority list. Dungannon- Fort WQ Permit to be issued in future Not on priority list. 10T Gate City- Weber EL 0.504 *151/252 *151/252 Step I in progress. City 3B, 5B Harmon-Big Rock 1.25 156 312 System is approved by state and submitted to EPA. 6B, 7B Grundy-Vansant WQ Permit to be issued in future System is approved and submitted to EPA.	11T	Coeburn	WQ	0.4	160	160	On FY 77 list for Step I.
Dungannon- Fort WQ Permit to be issued in future Not on priority list. 10T Gate City- Weber EL 0.504 *151/252 *151/252 Step I in progress. City 1.25 156 312 System is approved by state and submitted to EPA. Rock 6B, 7B Grundy-Vansant WQ Permit to be issued in future System is approved and submitted to EPA.	18T	Damascus	EL	0.25	62.5	62.5	Final audit and inspection of facility completed.
Blackmore 10T Gate City- Weber EL 0.504 *151/252 *151/252 Step I in progress. City 3B, 5B Harmon-Big 1.25 156 312 System is approved by state and submitted to EPA. Rock 6B, 7B Grundy-Vansant WQ Permit to be issued in future System is approved and submitted to EPA.	6T	Duffield	EL	0.075	30	30	Not on priority list.
10T Gate City- Weber EL 0.504 *151/252 *151/252 Step I in progress. 3B, 5B Harmon-Big 1.25 156 312 System is approved by state and submitted to EPA. Rock Permit to be issued in future System is approved and submitted to EPA.		Dungannon- Fort	WQ	Permit to	be issued in t	future	Not on priority list.
City 3B, 5B Harmon-Big Rock 6B, 7B Grundy-Vansant WQ 1.25 156 312 System is approved by state and submitted to EPA. System is approved and submitted to EPA.		Blackmore					
3B, 5B Harmon-Big Rock System is approved by state and submitted to EPA. Grundy-Vansant WQ Permit to be issued in future System is approved and submitted to EPA.	10T	Gate City- Weber	EL	0.504	*151/252	*151/252	Step I in progress.
Rock 6B, 7B Grundy-Vansant WQ Permit to be issued in future System is approved and submitted to EPA.		City					
6B, 7B Grundy-Vansant WQ Permit to be issued in future System is approved and submitted to EPA.	3B, 5B	Harmon-Big		1.25	156	312	System is approved by state and submitted to EPA.
		Rock					
9B Haysi WQ Permit to be issued in future Step I plan is complete. Town disapproved plan. SW	6B, 7B	Grundy-Vansant	WQ	Permit to	be issued in	<u>I</u> future	System is approved and submitted to EPA.
	9B	Haysi	WQ	Permit to	be issued in	future	Step I plan is complete. Town disapproved plan. SWCB
evaluating alternatives.							evaluating alternatives.

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8B T	Hurley	WQ	Permit to	be issued in	future	Step I plan complete and under review by state.
1T	Jonesville	EL	0.15	38	38	Not on priority list.
13T	Lebanon	WQ	0.2	60	60	Step III application at EPA.
25T	Marion	EL	1.7	510	510	Step I recommended for FY 77. Marion is proceeding on
						infiltration/inflow study under prior approval from EPA.
	Nickelsville	WQ	Permit to	be issued in	future	Not on priority list.
7T, 8T	Norton	WQ	0.77,	832,371	640,0184	Step I in process (with Wise).
			0.22			
2T	Pennington Gap	EL	0.315	410	315	Step I recommended for FY 76. Community has not yet
						completed Step I application.
1 B	Pound	WQ	0.175	44	44	Step III funded by EPA. Facility nearly completed.
19T	Raven-Doran	WQ	0.26	67.2	78	System to remain unchanged.
20T	Richlands	WQ	0.8	845	650	Step I in process. Step II recommended in FY 77.
	Rosedale	WQ	Permit to	be issued in	future	Not on priority list.
	Rose Hill-Ewing	EL	Permit to	be issued in	future	Not on priority list.
3T	St. Charles	EL	0.125	25	25	Abandonment proposed. Then to be served by
						Pennington Gap, subject to recommendations of Facility
						Plan.
12T	St. Paul	WQ	0.4	100	100	Complete and audited by EPA.
22T	Saltville	EL	0.5	125	125	Complete and audited by EPA.
	Sugar Grove	EL	Permit to	be issued in	future	Not on priority list.
	Teas					
15T	Swords Creek-	EL	0.144	187	144	Step I in FY 76. Step II recommended in FY 77.
	Honaker					
24T	Tazewell, Town	EL	0.70	*210/350	*210/350	Step I recommended in FY 77.
	of					
10B,	Trammel-	WQ	Permit to	be issued in	future	Not on priority list.
11B,	McClure					
12B						
9T	Wise	WQ	0.28	112	112	Step I in progress (with Norton).
L,		<u> </u>				

Dischargers are shown on Plate 3-B (Map No. with "B" designates Big Sandy) and 3-T (Map No. with "T" designates

Tennessee).

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CHAPTER 720. WATER QUALITY MANAGEMENT PLANNING REGULATION.

Source: Thompson & Litton and State Water Control Board.

9 VAC 25-720-130. New River.

A. Total maximum Daily Load (TMDLs).

TMDL #	Stream Name	TMDL Title	City/County	WBID	Pollutant	WLA	Units
1.	Stroubles Creek	Benthic TMDL for Stroubles Creek in	Montgomery	N22R	Sediment	233.15	T/YR
		Montgomery County, Virginia					
2.	Back Creek	Fecal Bacteria and General Standard Total Maximum Daily Load Development for Back Creek Watershed, Pulaski County, VA	Pulaski	N22R	Sediment	0.28	
3.	Crab Creek	Fecal Bacteria and General Standard Total Maximum Daily Load Development for Crab Creek Watershed, Montgomery County, VA	Montgomery	N18R	Sediment	77	T/YR
4.	Peak Creek	Fecal Bacteria and General Standard Total Maximum Daily Load Development for Peak	Pulaski	<u>N17R</u>	Copper	<u>12</u>	KG/YR

²Effluent Limiting (EL) or Water Quality (WQ).

³ For existing sewage treatment facility.

⁴ For new sewage treatment facility.

^{*}Seasonal NPDES allowable loading: April to September/October to March.

		Creek Watershed, Pulaski County, VA					
<u>5.</u>	Peak Creek	Fecal Bacteria and General Standard Total Maximum Daily Load Development for Peak Creek Watershed, Pulaski County, VA	Pulaski	N17R	<u>Zinc</u>	<u>57</u>	KG/YR

B. Stream segment classifications, effluent limitations including water quality based effluent limitations, and waste load allocations.

TABLE B1- SEWERAGE SERVICE AREAS

		Receiving2		NPDES Limits3		
Map1		Stream		Flow BOD5 SS		Status of Applicable4 Section 201
No.	Locality	Classification	(m	gd) (kg/day) (kg/d	lay)	Programs (January 1980)
	Abbs Valley	WQ	Permit not ne	eded at present		Not on priority list
	Austinville	EL	Permit not ne	eeded at present		Not on priority list
	Bastian	EL	Permit not ne	eeded at present		Continue to use septic tanks for present
1	Blacksburg	EL	6.0	544.8	544.8	Completed
	Bland	EL	Permit to be i	Permit to be issued in future		Not on priority list
29	Bluefield	WQ	3.5	106	106	Near Completion
	Boissevain	WQ	Effluent treat	ed at Pocahontas	l	Redesign to treat at Pocahontas underway
2	Christiansburg	WQ	2.0	113.5	113.5	Completed
3	Dublin	EL	.22	29.9/49.9	29.9/49.9	To be connected to Pepper's Ferry STP
						(Radford Cluster) in FY-80
	Elk Creek	EL	Permit not ne	eded at present	<u>l</u>	Continue to use septic tanks
4	Fairlawn	EL	.26	47	47	To be connected to Pepper's Ferry STP
						(Radford Cluster)
	Falls Mills	WQ	.144	5.5	5.5	Step I approved; limits for new plant
	Flat Ridge	EL	Permit not ne	eded at present	L	Not on priority list
*5	Floyd	EL	.1	59.0	45.4	Small community; Step IV
13	Fries	EL	.02	11.8	9.1	Step I approved
14			.16	94.5	72.7	
17	Galax	EL	1.5	170	170	Not on priority list
	Glen Lyn	EL	Permit not ne	eded at present	l	Not on priority list

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15	Hillsville	EL	.2	23	23	Step I to be approved soon		
13	Timsvine	LL				Step I to be approved soon		
16			.15	17	17			
*18	Independence	EL	.2	22.7	22.7	Step I approved; selected alternative		
						was for one plant		
19			.1	11.4	11.4			
	Ivanhoe	EL	Permit not ne	eded at present		Continue to use septic tanks		
	Max Meadows	EL	Permit to be i	issued in future		Not on priority list		
	Mechanicsburg	EL	Permit not ne	eeded at present		Not on priority list		
6	Narrows	EL	0.60	354.0	272.0	Step I at EPA; Step II - FY-80		
	Newport	EL	Permit not ne	eded at present		Not on priority list		
7	Pearisburg	EL	0.30	177.0	136.0	Step I at EPA; Step II - FY-80; Step III		
						- FY-84		
	Pembroke	EL	Permit not needed at present			Not on priority list		
*30	Pocahontas	WQ	.15	17	17	Step I grant approved to correct I/I		
						problems		
8	Pulaski	EL	2.0	234/303	234	To be connected to Pepper's Ferry STP		
						(Radford Cluster) in FY-80 (Step II)		
9	Radford STP	EL	2.5	1475	925	Step II - FY-80		
*10	Rich Creek	EL	.12	71	54	Step I at EPA, Step IV - FY-83		
31	Riner	EL	.035	4.0	4.0	Completed		
	Rocky Gap	EL	Permit not needed at present			Continue to use septic tanks for present		
12	Rural Retreat	EL	0.15	37.5	37.5	Step I to be completed in FY-80		
	Speedwell	EL	Permit not ne	eded at present	I	Continue to use individual septic tanks		
						for present		

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	Troutdale	EL	Permit not needed at present			Continue to use individual septic tanks
						for present
	Woodlawn	EL	Permit to be issued in future			Not on priority list
11	Wytheville	EL	20	400	200	Sewage treatment plant completed

1Discharges are shown on Plate 3.

2Effluent Limiting (E.L.) or Water Quality Limiting (WQ).

3For existing sewage treatment facility.

4For new sewage treatment facility.

^{*}Small communities with combined Step II and III Grants.

TABLE B2- EFFLUENT LIMITS(1) (4) NEW RIVER BASIN

Discharge	Receiving Stream	Maximum BOD5 Loading Limits (kg/day)
Troutdale	Fox Creek	6.1
Independence	Peachbottom Creek	13.5
Fries	New River	50.5
Galax	Chestnut Creek	240.3
Hillsville	Little Reed Island Creek	99.6
Woodlawn	Crooked Creek	69.5
Speedwell	Cripple Creek	17.4
Austinville	New River	19.5
Rural Retreat	South Fork	50.5
Wytheville	Reed Creek	298.3
Max Meadows	Reed Creek	82.4
(3)Pulaski	Peak Creek	316.8
Floyd	Dodd Creek	24.1
Riner	Mill Creek	9.8
Blacksburg	New River	583.4
Christiansburg	Crab Creek	359.4
(3)Dublin-New River- Fairlawn-Radford-Plum Creek	New River	772.7

Newport	Sinking Creek	2.9
Pembroke	New River	28.4
Bland	Walker Creek	10.3
Mechanicsburg	Walker Creek	3.1
Narrows-Pearisburg	New River	110.8
Bastian	Wolf Creek	10.4
Rocky Gap	Wolf Creek	9.0
Rich Creek	Rich Creek	19.9
Glen Lyn	New River	5.7
Bluefield	Bluestone River	136.4
(2) Abbs Valley	Laurel Fork	11.4
(2) Pocahontas	Laurel Fork	5.5
(2) Boissevain	Laurel Fork	5.9

- (1) Other effluent limitations will be determined by Water Quality Standards and/or Best Available Technology requirements.
- (2) Secondary treatment will be required until a further verification of the model is made to document the need for treatment beyond secondary.
 - (3) To join Radford Cluster.
- (4) This table supersedes Table 152, page 199, Thompson & Litton, Inc., New River Basin Comprehensive Water Resources Plan, Volume V-A.

TABLE B3- NEW RIVER BASIN INDUSTRIAL EFFLUENT LIMITATIONS*

Parameters in Average kg/day or (Concentration) as mg/l

FACILITY NUMBER

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MAP NUMBER	BOD5	SS	OIL & GREASE	IRON	COPPER	
20 APCO						
004		382	192			
401	1.14			(1.0) MAX	(1.0) MAX	
501		1.14				
006		318	159			
21 Burlington Industries	BOD5	SS	PHENOLS	SULFIDE	ALUMINUM	
001						
	346	354	1.7	0.9	1.0	
22 Celanese Fibers Co.	FLOW	BOD5	SS	COD		
002	(MGD)					
003	2.8	(30)				
	3.5	2,999	2,023	27,694		
23 Hercules, Inc.	SS					
001	34					
24 Lynchburg Foundry	SS	OIL &	PHENOLS			
001		GREASE				
	143	53.1	1.04			
25 RAAP Combined Ind.	FLOW	BOD5	SS	COD	OXIDIZED	SULFATE
026	(MGD)				NITROGEN	
	1.0	114	6,714	237	18,697	565
			114			67

26 New Jersey Zinc	BOD5	SS	TOTAL	CYANIDE	DISSOLVED LEAD	DISSOLVED ZINC	DISSOLVED IRON
001		(38)			(0.25)	(1.0)	(0.3)
002		(.30)			(0.25)	(1.0)	(0.25)
003		(20)	(0.02)		(0.35)	(1.0)	(0.25)
004		(30)	(0.02)		(1.0)	(0.25)	
005		(30)	(0.25)		(0.25)	(1.0)	(0.25)
006	2.3	2.3					
27 Elk Creek Raycarl	SS	OIL &	IRON		PHOSPHATE	ZINC	
Products		GREASE					
	(5)	(10)	(1)		(2)	(0.5)	
28 Fields Mfg	BOD5	SS	OIL &	GREASE	TEMP.		
	3.6	4.1	0.8		75°F		

Certified True and Accurate:						
Robert	Robert G. Burnley, Director, DEQ					
Date:						
Certified True and Accurate:		_				
	Robert G. Burnley Director, DEQ					
Date:						